

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030821\
 Data File : VX021076.D
 Acq On : 08 Mar 2021 20:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Mar 09 01:11:03 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	125	0.00
2 T	Dichlorodifluoromethane	0.541	0.466	13.9	105	0.00
3 P	Chloromethane	0.601	0.572	4.8	117	0.00
4 C	Vinyl Chloride	0.692	0.654	5.5#	116	0.00
5 T	Bromomethane	0.249	0.228	8.4	129	0.00
6 T	Chloroethane	0.433	0.428	1.2	121	0.00
7 T	Trichlorofluoromethane	0.873	0.846	3.1	121	0.00
8 T	Diethyl Ether	0.405	0.388	4.2	120	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.538	0.496	7.8	114	0.00
10 T	Methyl Iodide	0.723	0.702	2.9	113	0.00
11 T	Tert butyl alcohol	0.150	0.115	23.3	93	0.00
12 CM	1,1-Dichloroethene	0.560	0.522	6.8#	115	0.00
13 T	Acrolein	0.093	0.088	5.4	121	0.00
14 T	Allyl chloride	0.914	0.813	11.1	108	0.00
15 T	Acrylonitrile	0.321	0.294	8.4	112	0.00
16 T	Acetone	0.278	0.226	18.7	105	0.00
17 T	Carbon Disulfide	1.594	1.413	11.4	109	0.00
18 T	Methyl Acetate	0.658	0.601	8.7	111	0.00
19 T	Methyl tert-butyl Ether	1.999	1.882	5.9	115	0.00
20 T	Methylene Chloride	0.668	0.630	5.7	121	0.00
21 T	trans-1,2-Dichloroethene	0.629	0.584	7.2	116	0.00
22 T	Diisopropyl ether	1.839	1.731	5.9	116	0.00
23 T	Vinyl Acetate	1.572	1.440	8.4	110	0.00
24 P	1,1-Dichloroethane	1.083	1.051	3.0	120	0.00
25 T	2-Butanone	0.423	0.368	13.0	108	0.00
26 T	2,2-Dichloropropane	0.984	0.804	18.3	101	0.00
27 T	cis-1,2-Dichloroethene	0.724	0.693	4.3	119	0.00
28 T	Bromochloromethane	0.463	0.444	4.1	120	0.00
29 T	Tetrahydrofuran	0.271	0.240	11.4	109	0.00
30 C	Chloroform	1.091	1.067	2.2#	120	0.00
31 T	Cyclohexane	0.978	0.902	7.8	113	0.00
32 T	1,1,1-Trichloroethane	0.950	0.911	4.1	118	0.00
33 S	1,2-Dichloroethane-d4	0.675	0.623	7.7	115	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	116	0.00
35 S	Dibromofluoromethane	0.304	0.306	-0.7	117	0.00
36 T	1,1-Dichloropropene	0.475	0.479	-0.8	117	0.00
37 T	Ethyl Acetate	0.452	0.431	4.6	109	0.00
38 T	Carbon Tetrachloride	0.460	0.460	0.0	119	0.00
39 T	Methylcyclohexane	0.596	0.574	3.7	114	0.00
40 TM	Benzene	1.424	1.444	-1.4	118	0.00
41 T	Methacrylonitrile	0.254	0.245	3.5	110	0.00
42 TM	1,2-Dichloroethane	0.474	0.502	-5.9	122	0.00
43 T	Isopropyl Acetate	0.769	0.726	5.6	109	0.00
44 TM	Trichloroethene	0.375	0.406	-8.3	126	0.00
45 C	1,2-Dichloropropane	0.357	0.379	-6.2#	123	0.00
46 T	Dibromomethane	0.240	0.251	-4.6	121	0.00
47 T	Bromodichloromethane	0.501	0.519	-3.6	120	0.00
48 T	Methyl methacrylate	0.386	0.377	2.3	112	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	105	0.00
50 S	Toluene-d8	1.185	1.204	-1.6	120	0.00
51 T	4-Methyl-2-Pentanone	0.448	0.435	2.9	110	0.00
52 CM	Toluene	0.887	0.938	-5.7#	122	0.00
53 T	t-1,3-Dichloropropene	0.561	0.570	-1.6	115	0.00
54 T	cis-1,3-Dichloropropene	0.615	0.635	-3.3	119	0.00
55 T	1,1,2-Trichloroethane	0.351	0.382	-8.8	125	0.00
56 T	Ethyl methacrylate	0.567	0.565	0.4	114	0.00
57 T	1,3-Dichloropropane	0.601	0.645	-7.3	123	0.00
58 T	2-Chloroethyl Vinyl ether	0.277	0.290	-4.7	116	0.00
59 T	2-Hexanone	0.336	0.319	5.1	108	0.00
60 T	Dibromochloromethane	0.370	0.415	-12.2	125	0.00
61 T	1,2-Dibromoethane	0.367	0.392	-6.8	123	0.00
62 S	4-Bromofluorobenzene	0.438	0.420	4.1	109	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	121	0.00
64 T	Tetrachloroethene	0.361	0.427	-18.3	142	0.00
65 PM	Chlorobenzene	1.053	1.111	-5.5	125	0.00
66 T	1,1,1,2-Tetrachloroethane	0.388	0.399	-2.8	120	0.00
67 C	Ethyl Benzene	1.909	1.960	-2.7#	122	0.00
68 T	m/p-Xylenes	0.703	0.737	-4.8	125	0.00
69 T	o-Xylene	0.686	0.726	-5.8	124	0.00
70 T	Styrene	1.176	1.222	-3.9	122	0.00
71 P	Bromoform	0.300	0.319	-6.3	128	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	117	0.00
73 T	Isopropylbenzene	3.949	4.161	-5.4	126	0.00
74 T	N-amyl acetate	1.599	1.489	6.9	107	0.00
75 P	1,1,2,2-Tetrachloroethane	1.273	1.240	2.6	114	0.00
76 T	1,2,3-Trichloropropane	1.076	1.069	0.7	114	0.00
77 T	Bromobenzene	0.919	1.022	-11.2	128	0.00
78 T	n-propylbenzene	4.504	4.722	-4.8	122	0.00
79 T	2-Chlorotoluene	2.729	2.749	-0.7	119	0.00
80 T	1,3,5-Trimethylbenzene	3.286	3.448	-4.9	120	0.00
81 T	trans-1,4-Dichloro-2-butene	0.486	0.430	11.5	101	0.00
82 T	4-Chlorotoluene	3.145	3.193	-1.5	118	0.00
83 T	tert-Butylbenzene	3.197	3.265	-2.1	121	0.00
84 T	1,2,4-Trimethylbenzene	3.336	3.445	-3.3	119	0.00
85 T	sec-Butylbenzene	3.768	3.905	-3.6	119	0.00
86 T	p-Isopropyltoluene	3.453	3.510	-1.7	118	0.00
87 T	1,3-Dichlorobenzene	1.645	1.784	-8.4	127	0.00
88 T	1,4-Dichlorobenzene	1.676	1.761	-5.1	124	0.00
89 T	n-Butylbenzene	3.083	3.095	-0.4	116	0.00
90 T	Hexachloroethane	0.659	0.641	2.7	112	0.00
91 T	1,2-Dichlorobenzene	1.606	1.724	-7.3	121	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.292	0.272	6.8	108	0.00
93 T	1,2,4-Trichlorobenzene	1.030	1.122	-8.9	123	0.00
94 T	Hexachlorobutadiene	0.413	0.415	-0.5	118	0.00
95 T	Naphthalene	3.667	3.794	-3.5	115	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	1.076	-5.2	120	0.00

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

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	125	0.00
2 T	Dichlorodifluoromethane	50.000	43.115	13.8	105	0.00
3 P	Chloromethane	50.000	47.638	4.7	117	0.00
4 C	Vinyl Chloride	50.000	47.311	5.4#	116	0.00
5 T	Bromomethane	50.000	49.304	1.4	129	0.00
6 T	Chloroethane	50.000	49.406	1.2	121	0.00
7 T	Trichlorofluoromethane	50.000	48.465	3.1	121	0.00
8 T	Diethyl Ether	50.000	47.853	4.3	120	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	46.109	7.8	114	0.00
10 T	Methyl Iodide	50.000	48.550	2.9	113	0.00
11 T	Tert butyl alcohol	250.000	190.958	23.6	93	0.00
12 CM	1,1-Dichloroethene	50.000	46.638	6.7#	115	0.00
13 T	Acrolein	250.000	237.226	5.1	121	0.00
14 T	Allyl chloride	50.000	44.459	11.1	108	0.00
15 T	Acrylonitrile	250.000	228.874	8.5	112	0.00
16 T	Acetone	250.000	203.246	18.7	105	0.00
17 T	Carbon Disulfide	50.000	44.306	11.4	109	0.00
18 T	Methyl Acetate	50.000	45.622	8.8	111	0.00
19 T	Methyl tert-butyl Ether	50.000	47.062	5.9	115	0.00
20 T	Methylene Chloride	50.000	47.152	5.7	121	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.490	7.0	116	0.00
22 T	Diisopropyl ether	50.000	47.078	5.8	116	0.00
23 T	Vinyl Acetate	250.000	229.022	8.4	110	0.00
24 P	1,1-Dichloroethane	50.000	48.518	3.0	120	0.00
25 T	2-Butanone	250.000	217.494	13.0	108	0.00
26 T	2,2-Dichloropropane	50.000	40.886	18.2	101	0.00
27 T	cis-1,2-Dichloroethene	50.000	47.865	4.3	119	0.00
28 T	Bromochloromethane	50.000	47.963	4.1	120	0.00
29 T	Tetrahydrofuran	250.000	221.105	11.6	109	0.00
30 C	Chloroform	50.000	48.895	2.2#	120	0.00
31 T	Cyclohexane	50.000	46.100	7.8	113	0.00
32 T	1,1,1-Trichloroethane	50.000	47.929	4.1	118	0.00
33 S	1,2-Dichloroethane-d4	50.000	46.150	7.7	115	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	116	0.00
35 S	Dibromofluoromethane	50.000	50.378	-0.8	117	0.00
36 T	1,1-Dichloropropene	50.000	50.391	-0.8	117	0.00
37 T	Ethyl Acetate	50.000	47.681	4.6	109	0.00
38 T	Carbon Tetrachloride	50.000	49.948	0.1	119	0.00
39 T	Methylcyclohexane	50.000	48.164	3.7	114	0.00
40 TM	Benzene	50.000	50.698	-1.4	118	0.00
41 T	Methacrylonitrile	50.000	48.123	3.8	110	0.00
42 TM	1,2-Dichloroethane	50.000	53.015	-6.0	122	0.00
43 T	Isopropyl Acetate	50.000	47.207	5.6	109	0.00
44 TM	Trichloroethene	50.000	54.158	-8.3	126	0.00
45 C	1,2-Dichloropropane	50.000	53.026	-6.1#	123	0.00
46 T	Dibromomethane	50.000	52.181	-4.4	121	0.00
47 T	Bromodichloromethane	50.000	51.834	-3.7	120	0.00
48 T	Methyl methacrylate	50.000	48.916	2.2	112	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	926.591	7.3	105	0.00
50 S	Toluene-d8	50.000	50.823	-1.6	120	0.00
51 T	4-Methyl-2-Pentanone	250.000	242.938	2.8	110	0.00
52 CM	Toluene	50.000	52.863	-5.7#	122	0.00
53 T	t-1,3-Dichloropropene	50.000	50.794	-1.6	115	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.612	-3.2	119	0.00
55 T	1,1,2-Trichloroethane	50.000	54.498	-9.0	125	0.00
56 T	Ethyl methacrylate	50.000	49.743	0.5	114	0.00
57 T	1,3-Dichloropropane	50.000	53.662	-7.3	123	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	261.395	-4.6	116	0.00
59 T	2-Hexanone	250.000	237.046	5.2	108	0.00
60 T	Dibromochloromethane	50.000	56.143	-12.3	125	0.00
61 T	1,2-Dibromoethane	50.000	53.303	-6.6	123	0.00
62 S	4-Bromofluorobenzene	50.000	47.942	4.1	109	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	121	0.00
64 T	Tetrachloroethene	50.000	59.165	-18.3	142	0.00
65 PM	Chlorobenzene	50.000	52.770	-5.5	125	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.363	-2.7	120	0.00
67 C	Ethyl Benzene	50.000	51.325	-2.7#	122	0.00
68 T	m/p-Xylenes	100.000	104.957	-5.0	125	0.00
69 T	o-Xylene	50.000	52.916	-5.8	124	0.00
70 T	Styrene	50.000	51.955	-3.9	122	0.00
71 P	Bromoform	50.000	53.138	-6.3	128	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	117	0.00
73 T	Isopropylbenzene	50.000	52.683	-5.4	126	0.00
74 T	N-amyl acetate	50.000	46.558	6.9	107	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.682	2.6	114	0.00
76 T	1,2,3-Trichloropropane	50.000	49.691	0.6	114	0.00
77 T	Bromobenzene	50.000	55.609	-11.2	128	0.00
78 T	n-propylbenzene	50.000	52.421	-4.8	122	0.00
79 T	2-Chlorotoluene	50.000	50.365	-0.7	119	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.453	-4.9	120	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	44.212	11.6	101	0.00
82 T	4-Chlorotoluene	50.000	50.760	-1.5	118	0.00
83 T	tert-Butylbenzene	50.000	51.059	-2.1	121	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.637	-3.3	119	0.00
85 T	sec-Butylbenzene	50.000	51.824	-3.6	119	0.00
86 T	p-Isopropyltoluene	50.000	50.825	-1.7	118	0.00
87 T	1,3-Dichlorobenzene	50.000	54.219	-8.4	127	0.00
88 T	1,4-Dichlorobenzene	50.000	52.527	-5.1	124	0.00
89 T	n-Butylbenzene	50.000	50.204	-0.4	116	0.00
90 T	Hexachloroethane	50.000	48.654	2.7	112	0.00
91 T	1,2-Dichlorobenzene	50.000	53.671	-7.3	121	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	46.731	6.5	108	0.00
93 T	1,2,4-Trichlorobenzene	50.000	54.485	-9.0	123	0.00
94 T	Hexachlorobutadiene	50.000	50.276	-0.6	118	0.00
95 T	Naphthalene	50.000	51.737	-3.5	115	0.00

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96 T	1,2,3-Trichlorobenzene	50.000	52.612	-5.2	120	0.00

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