

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051321\
 Data File : VX021954.D
 Acq On : 13 May 2021 09:24
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: May 14 03:44:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 13 06:11:35 2021
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	105	0.00
2 M	Dichlorodifluoromethane	1.771	3.548	-100.3#	227#	0.00
3 M	Chloromethane	2.127	3.897	-83.2#	206#	0.00
4 M	Vinyl Chloride	2.209	4.209	-90.5#	226#	0.00
5 M	Bromomethane	1.243	2.540	-104.3#	228#	0.00
6 M	Chloroethane	1.422	2.696	-89.6#	229#	0.00
7 M	Trichlorofluoromethane	3.087	5.877	-90.4#	229#	0.00
8 T	Diethyl Ether	1.324	2.486	-87.8#	230#	0.00
9	1,1,2-Trichlorotrifluoroeth	1.770	3.278	-85.2#	219#	0.00
10 M	1,1-Dichloroethene	1.783	3.287	-84.4#	223#	0.00
11	Methyl Iodide	1.773	3.564	-101.0#	266#	0.00
12	Methyl Acetate	2.466	4.450	-80.5#	210#	0.00
13 M	Acrolein	0.382	0.829	-117.0#	257#	0.00
14 M	Acrylonitrile	1.006	1.859	-84.8#	223#	0.00
15 M	Acetone	0.300	0.675	-125.0#	261#	0.00
16 M	Carbon Disulfide	4.878	9.388	-92.5#	237#	0.00
17	Allyl chloride	3.143	5.864	-86.6#	223#	0.00
18 M	Methylene Chloride	2.120	3.905	-84.2#	215#	0.00
19 M	trans-1,2-Dichloroethene	1.938	3.675	-89.6#	224#	0.00
20 T	Diisopropyl ether	5.924	10.784	-82.0#	223#	-0.01
21 M	1,1-Dichloroethane	3.548	6.641	-87.2#	223#	0.00
22 M	cis-1,2-Dichloroethene	2.277	4.319	-89.7#	223#	0.00
23 M	tert-Butyl Alcohol	0.489	0.893	-82.6#	215#	-0.01
24 M	Methyl tert-Butyl Ether	5.806	10.812	-86.2#	224#	0.00
25 M	Chloroform	3.596	6.766	-88.2#	225#	0.00
26	Cyclohexane	2.927	5.467	-86.8#	233#	0.00
27 s	1,2-Dichloroethane-d4	2.311	2.268	1.9	105	-0.01
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	106	0.00
29	1,1-Dichloropropene	0.470	0.861	-83.2#	226#	0.00
30 M	2-Butanone	0.266	0.530	-99.2#	240#	0.00
31	2,2-Dichloropropane	0.552	1.019	-84.6#	227#	-0.01
32 M	1,1,1-Trichloroethane	0.554	1.007	-81.8#	222#	0.00
33 M	Carbon Tetrachloride	0.470	0.859	-82.8#	227#	-0.01
34 M	Benzene	1.433	2.546	-77.7#	215#	0.00
35	Methacrylonitrile	0.284	0.497	-75.0#	220#	0.00
36 M	1,2-Dichloroethane	0.489	0.914	-86.9#	228#	0.00
37 M	Trichloroethene	0.360	0.647	-79.7#	223#	0.00
38	Methylcyclohexane	0.533	0.958	-79.7#	231#	0.00
39 M	1,2-Dichloropropane	0.358	0.656	-83.2#	231#	-0.01
40	Dibromomethane	0.249	0.446	-79.1#	218#	0.00
41 M	Bromodichloromethane	0.497	0.906	-82.3#	230#	0.00
42 M	Vinyl Acetate	0.993	1.798	-81.1#	226#	0.00
43	Ethyl Acetate	0.540	0.976	-80.7#	218#	0.00
44	Isopropyl Acetate	0.891	1.619	-81.7#	226#	0.00
45 T	1,4-Dioxane	0.008	0.014#	-75.0#	207#	-0.02
46	Methyl methacrylate	0.413	0.733	-77.5#	226#	0.00
47	n-amyl Acetate	0.741	1.393	-88.0#	238#	0.00
48 M	t-1,3-Dichloropropene	0.558	1.050	-88.2#	234#	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.599	1.126	-88.0#	235#	0.00
50 M	1,1,2-Trichloroethane	0.354	0.645	-82.2#	225#	0.00
51	Ethyl methacrylate	0.571	1.075	-88.3#	233#	0.00
52	1,3-Dichloropropane	0.618	1.117	-80.7#	228#	0.00
53 M	Dibromochloromethane	0.356	0.661	-85.7#	232#	0.00
54 M	1,2-Dibromoethane	0.364	0.675	-85.4#	229#	0.00
55 M	2-Chloroethyl vinyl ether	0.302	0.542	-79.5#	224#	0.00
56 M	Bromoform	0.226	0.439	-94.2#	245#	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	108	0.00
58 M	4-Methyl-2-Pentanone	0.605	1.111	-83.6#	223#	0.00
59 M	2-Hexanone	0.448	0.894	-99.6#	240#	0.00
60 S	4-Bromofluorobenzene	0.498	0.511	-2.6	112	0.00
61 M	Tetrachloroethene	0.340	0.635	-86.8#	220#	0.00
62 M	Toluene	1.718	3.194	-85.9#	229#	0.00
63 S	Toluene-d8	1.371	1.374	-0.2	107	0.00
64 M	Chlorobenzene	1.027	1.965	-91.3#	229#	0.00
65	1,1,1,2-Tetrachloroethane	0.375	0.704	-87.7#	238#	0.00
66 M	Ethyl Benzene	1.890	3.587	-89.8#	234#	0.00
67 M	m/p-Xylenes	0.716	1.347	-88.1#	230#	0.00
68 M	o-Xylene	0.698	1.320	-89.1#	237#	0.00
69 M	Styrene	1.167	2.193	-87.9#	231#	0.00
70	Isopropylbenzene	1.832	3.452	-88.4#	232#	0.00
71 M	1,1,2,2-Tetrachloroethane	0.604	1.120	-85.4#	227#	0.00
72	1,2,3-Trichloropropane	0.535	1.033	-93.1#	229#	0.00
73	Bromobenzene	0.388	0.738	-90.2#	237#	0.00
74	n-propylbenzene	2.136	4.188	-96.1#	250#	0.00
75	2-Chlorotoluene	1.265	2.438	-92.7#	239#	0.00
76	1,3,5-Trimethylbenzene	1.530	2.982	-94.9#	243#	0.00
77	t-1,4-Dichloro-2-butene	0.217	0.418	-92.6#	251#	0.00
78	4-Chlorotoluene	1.456	2.737	-88.0#	241#	0.00
79	tert-butylbenzene	1.463	2.788	-90.6#	237#	0.00
80	1,2,4-Trimethylbenzene	1.529	2.942	-92.4#	241#	0.00
81	sec-Butylbenzene	1.839	3.518	-91.3#	240#	0.00
82	p-Isopropyltoluene	1.541	2.989	-94.0#	246#	0.00
83 M	1,3-Dichlorobenzene	0.736	1.384	-88.0#	236#	0.00
84 M	1,4-Dichlorobenzene	0.738	1.397	-89.3#	241#	0.00
85	n-Butylbenzene	1.413	2.769	-96.0#	257#	0.00
86 T	Hexachloroethane	0.256	0.493	-92.6#	246#	0.00
87 M	1,2-Dichlorobenzene	0.713	1.355	-90.0#	240#	0.00
88	1,2-Dibromo-3-Chloropropane	0.135	0.231	-71.1#	213#	0.00
89	1,2,4-Trichlorobenzene	0.437	0.814	-86.3#	238#	0.00
90	Hexachlorobutadiene	0.169	0.348	-105.9#	270#	0.00
91 M	Naphthalene	1.713	3.151	-83.9#	240#	0.00
92	1,2,3-Trichlorobenzene	0.433	0.833	-92.4#	250#	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0