

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031119\
 Data File : VX007967.D
 Acq On : 11 Mar 2019 13:30
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Mar 12 08:34:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 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	91	0.00
2 M	Dichlorodifluoromethane	1.781	0.668	62.5#	35	0.00
3 M	Chloromethane	1.980	0.704	64.4#	34	0.00
4 M	Vinyl Chloride	1.962	0.718	63.4#	36	0.00
5 M	Bromomethane	0.978	0.362	63.0#	39	0.00
6 M	Chloroethane	1.146	0.425	62.9#	37	0.00
7 M	Trichlorofluoromethane	2.443	0.930	61.9#	38	0.00
8 T	Diethyl Ether	1.258	0.503	60.0#	38	0.00
9	1,1,2-Trichlorotrifluoroeth	1.837	0.705	61.6#	36	0.00
10 M	1,1-Dichloroethene	1.741	0.696	60.0#	38	0.00
11	Methyl Iodide	2.725	0.838	69.2#	28	0.00
12	Methyl Acetate	2.753	1.064	61.4#	38	0.00
13 M	Acrolein	0.323	0.132	59.1#	42	0.00
14 M	Acrylonitrile	1.169	0.468	60.0#	37	0.00
15 M	Acetone	0.422	0.132	68.7#	29	0.00
16 M	Carbon Disulfide	5.462	2.141	60.8#	37	0.00
17	Allyl chloride	3.569	1.388	61.1#	36	0.00
18 M	Methylene Chloride	1.983	0.776	60.9#	38	0.00
19 M	trans-1,2-Dichloroethene	1.842	0.732	60.3#	38	0.00
20 T	Diisopropyl ether	6.529	2.573	60.6#	37	0.00
21 M	1,1-Dichloroethane	3.551	1.408	60.3#	38	0.00
22 M	cis-1,2-Dichloroethene	2.125	0.839	60.5#	38	0.00
23 M	tert-Butyl Alcohol	0.471	0.184	60.9#	37	0.00
24 M	Methyl tert-Butyl Ether	5.985	2.422	59.5#	38	0.00
25 M	Chloroform	3.352	1.324	60.5#	38	0.00
26	Cyclohexane	3.281	1.254	61.8#	36	0.00
27 s	1,2-Dichloroethane-d4	1.972	1.951	1.1	92	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
29	1,1-Dichloropropene	0.476	0.188	60.5#	37	0.00
30 M	2-Butanone	0.321	0.120	62.6#	34	0.00
31	2,2-Dichloropropane	0.439	0.177	59.7#	37	0.00
32 M	1,1,1-Trichloroethane	0.514	0.211	58.9#	38	0.00
33 M	Carbon Tetrachloride	0.456	0.184	59.6#	37	0.00
34 M	Benzene	1.458	0.594	59.3#	38	0.00
35	Methacrylonitrile	0.313	0.127	59.4#	37	0.00
36 M	1,2-Dichloroethane	0.474	0.190	59.9#	38	0.00
37 M	Trichloroethene	0.395	0.161	59.2#	38	0.00
38	Methylcyclohexane	0.605	0.228	62.3#	35	0.00
39 M	1,2-Dichloropropane	0.380	0.155	59.2#	37	0.00
40	Dibromomethane	0.241	0.097	59.8#	37	0.00
41 M	Bromodichloromethane	0.456	0.184	59.6#	37	0.00
42 M	Vinyl Acetate	1.039	0.423	59.3#	37	0.00
43	Ethyl Acetate	0.559	0.219	60.8#	36	0.00
44	Isopropyl Acetate	0.853	0.343	59.8#	36	0.00
45 T	1,4-Dioxane	0.009	0.003#	66.7#	32	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.448	0.178	60.3#	36	0.00
47	n-amyl Acetate	0.735	0.290	60.5#	36	0.00
48 M	t-1,3-Dichloropropene	0.494	0.198	59.9#	36	0.00
49 T	cis-1,3-Dichloropropene	0.559	0.222	60.3#	36	0.00
50 M	1,1,2-Trichloroethane	0.368	0.151	59.0#	38	0.00
51	Ethyl methacrylate	0.557	0.223	60.0#	36	0.00
52	1,3-Dichloropropane	0.607	0.248	59.1#	38	0.00
53 M	Dibromochloromethane	0.378	0.153	59.5#	37	0.00
54 M	1,2-Dibromoethane	0.384	0.159	58.6#	38	0.00
55 M	2-Chloroethyl vinyl ether	0.259	0.100	61.4#	35	0.00
56 M	Bromoform	0.302	0.120	60.3#	35	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
58 M	4-Methyl-2-Pentanone	0.618	0.256	58.6#	37	0.00
59 M	2-Hexanone	0.488	0.193	60.5#	35	0.00
60 S	4-Bromofluorobenzene	0.479	0.475	0.8	88	0.00
61 M	Tetrachloroethene	0.438	0.182	58.4#	38	0.00
62 M	Toluene	1.752	0.706	59.7#	37	0.00
63 S	Toluene-d8	1.373	1.370	0.2	89	0.00
64 M	Chlorobenzene	1.116	0.452	59.5#	37	0.00
65	1,1,1,2-Tetrachloroethane	0.400	0.168	58.0#	38	0.00
66 M	Ethyl Benzene	1.882	0.749	60.2#	36	0.00
67 M	m/p-Xylenes	0.721	0.288	60.1#	36	0.00
68 M	o-Xylene	0.701	0.279	60.2#	36	0.00
69 M	Styrene	1.154	0.463	59.9#	36	0.00
70	Isopropylbenzene	1.872	0.752	59.8#	36	0.00
71 M	1,1,2,2-Tetrachloroethane	0.618	0.256	58.6#	38	0.00
72	1,2,3-Trichloropropane	0.583	0.241	58.7#	37	0.00
73	Bromobenzene	0.498	0.203	59.2#	37	0.00
74	n-propylbenzene	2.112	0.832	60.6#	35	0.00
75	2-Chlorotoluene	1.266	0.506	60.0#	36	0.00
76	1,3,5-Trimethylbenzene	1.551	0.623	59.8#	36	0.00
77	t-1,4-Dichloro-2-butene	0.180	0.068	62.2#	33	0.00
78	4-Chlorotoluene	1.431	0.570	60.2#	36	0.00
79	tert-butylbenzene	1.665	0.661	60.3#	35	0.00
80	1,2,4-Trimethylbenzene	1.575	0.642	59.2#	37	0.00
81	sec-Butylbenzene	1.865	0.735	60.6#	35	0.00
82	p-Isopropyltoluene	1.665	0.661	60.3#	35	0.00
83 M	1,3-Dichlorobenzene	0.886	0.353	60.2#	36	0.00
84 M	1,4-Dichlorobenzene	0.887	0.353	60.2#	37	0.00
85	n-Butylbenzene	1.424	0.542	61.9#	34	0.00
86 T	Hexachloroethane	0.271	0.104	61.6#	34	0.00
87 M	1,2-Dichlorobenzene	0.876	0.356	59.4#	37	0.00
88	1,2-Dibromo-3-Chloropropane	0.126	0.050	60.3#	36	0.00
89	1,2,4-Trichlorobenzene	0.629	0.249	60.4#	36	0.00
90	Hexachlorobutadiene	0.347	0.132	62.0#	35	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.804	0.741	58.9#	37	0.00
92	1,2,3-Trichlorobenzene	0.626	0.251	59.9#	37	0.00

(#) = Out of Range

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