

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX080718\
 Data File : VX003913.D
 Acq On : 08 Aug 2018 07:10
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Aug 08 08:44:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 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	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	300#	0.00
2 M	Dichlorodifluoromethane	1.585	2.092	-32.0#	439#	0.00
3 M	Chloromethane	2.133	2.092	1.9	325#	0.00
4 M	Vinyl Chloride	2.243	2.240	0.1	331#	0.00
5 M	Bromomethane	1.341	1.274	5.0	335#	0.00
6 M	Chloroethane	1.468	1.467	0.1	329#	0.00
7 M	Trichlorofluoromethane	3.017	2.891	4.2	322#	0.00
8 T	Diethyl Ether	1.293	1.272	1.6	330#	0.00
9	1,1,2-Trichlorotrifluoroeth	1.829	1.717	6.1	311#	0.00
10 M	1,1-Dichloroethene	1.720	1.666	3.1	323#	0.00
11	Methyl Iodide	2.384	2.067	13.3	292#	0.00
12	Methyl Acetate	3.182	0.004#	99.9#	0#	0.10
13 M	Acrolein	0.248	0.268	-8.1	317#	0.00
14 M	Acrylonitrile	1.254	1.086	13.4	283#	0.00
15 M	Acetone	0.340	0.309	9.1	296#	0.00
16 M	Carbon Disulfide	4.776	4.305	9.9	305#	0.00
17	Allyl chloride	3.560	2.901	18.5	271#	0.00
18 M	Methylene Chloride	2.037	1.942	4.7	312#	0.00
19 M	trans-1,2-Dichloroethene	1.859	1.781	4.2	315#	0.00
20 T	Diisopropyl ether	6.537	5.671	13.2	281#	0.00
21 M	1,1-Dichloroethane	3.701	3.247	12.3	289#	0.00
22 M	cis-1,2-Dichloroethene	1.877	1.978	-5.4	325#	0.00
23 M	tert-Butyl Alcohol	0.527	0.488	7.4	299#	0.00
24 M	Methyl tert-Butyl Ether	6.169	0.004#	99.9#	0#	0.09
25 M	Chloroform	3.205	3.237	-1.0	309#	0.00
26	Cyclohexane	2.780	2.748	1.2	312#	0.00
27 s	1,2-Dichloroethane-d4	2.202	2.085	5.3	298#	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	320#	0.00
29	1,1-Dichloropropene	0.443	0.434	2.0	319#	0.00
30 M	2-Butanone	0.283	0.248	12.4	272#	0.00
31	2,2-Dichloropropane	0.429	0.209	51.3#	156#	0.00
32 M	1,1,1-Trichloroethane	0.507	0.488	3.7	314#	0.00
33 M	Carbon Tetrachloride	0.440	0.418	5.0	304#	0.00
34 M	Benzene	1.361	1.350	0.8	315#	0.00
35	Methacrylonitrile	0.294	0.263	10.5	289#	0.00
36 M	1,2-Dichloroethane	0.489	0.462	5.5	305#	0.00
37 M	Trichloroethene	0.355	0.357	-0.6	325#	0.00
38	Methylcyclohexane	0.503	0.475	5.6	313#	0.00
39 M	1,2-Dichloropropane	0.360	0.340	5.6	305#	0.00
40	Dibromomethane	0.233	0.218	6.4	300#	0.00
41 M	Bromodichloromethane	0.445	0.406	8.8	304#	0.00
42 M	Vinyl Acetate	1.087	0.792	27.1	253#	0.00
43	Ethyl Acetate	0.528	0.449	15.0	269#	0.00
44	Isopropyl Acetate	0.811	0.708	12.7	286#	0.00
45 T	1,4-Dioxane	0.009	0.009#	0.0	314#	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.418	0.374	10.5	293#	0.00
47	n-amyl Acetate	0.765	0.609	20.4	282#	0.00
48 M	t-1,3-Dichloropropene	0.540	0.453	16.1	280#	0.00
49 T	cis-1,3-Dichloropropene	0.506	0.409	19.2	287#	0.00
50 M	1,1,2-Trichloroethane	0.370	0.344	7.0	315#	0.00
51	Ethyl methacrylate	0.556	0.479	13.8	306#	0.00
52	1,3-Dichloropropane	0.615	0.580	5.7	322#	0.00
53 M	Dibromochloromethane	0.363	0.326	10.2	316#	0.00
54 M	1,2-Dibromoethane	0.386	0.352	8.8	315#	0.00
55 M	2-Chloroethyl vinyl ether	0.287	0.253	11.8	295#	0.00
56 M	Bromoform	0.282	0.243	13.8	313#	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	322#	0.00
58 M	4-Methyl-2-Pentanone	0.566	0.526	7.1	282#	0.00
59 M	2-Hexanone	0.451	0.399	11.5	280#	0.00
60 S	4-Bromofluorobenzene	0.483	0.477	1.2	321#	0.00
61 M	Tetrachloroethene	0.349	0.393	-12.6	371#	0.00
62 M	Toluene	1.557	1.587	-1.9	318#	0.00
63 S	Toluene-d8	1.351	1.335	1.2	305#	0.00
64 M	Chlorobenzene	1.006	1.020	-1.4	322#	0.00
65	1,1,1,2-Tetrachloroethane	0.356	0.353	0.8	318#	0.00
66 M	Ethyl Benzene	1.713	1.702	0.6	321#	0.00
67 M	m/p-Xylenes	0.660	0.675	-2.3	327#	0.00
68 M	o-Xylene	0.631	0.648	-2.7	331#	0.00
69 M	Styrene	1.069	1.052	1.6	316#	0.00
70	Isopropylbenzene	1.738	1.737	0.1	327#	0.00
71 M	1,1,2,2-Tetrachloroethane	0.621	0.572	7.9	299#	0.00
72	1,2,3-Trichloropropane	0.516	0.493	4.5	308#	0.00
73	Bromobenzene	0.468	0.453	3.2	323#	0.00
74	n-propylbenzene	2.048	1.943	5.1	310#	0.00
75	2-Chlorotoluene	1.207	1.189	1.5	318#	0.00
76	1,3,5-Trimethylbenzene	1.475	1.422	3.6	316#	0.00
77	t-1,4-Dichloro-2-butene	0.176	0.120	31.8#	233#	0.00
78	4-Chlorotoluene	1.412	1.369	3.0	316#	0.00
79	tert-butylbenzene	1.518	1.474	2.9	318#	0.00
80	1,2,4-Trimethylbenzene	1.510	1.478	2.1	319#	0.00
81	sec-Butylbenzene	1.718	1.654	3.7	317#	0.00
82	p-Isopropyltoluene	1.518	1.474	2.9	318#	0.00
83 M	1,3-Dichlorobenzene	0.856	0.836	2.3	319#	0.00
84 M	1,4-Dichlorobenzene	0.861	0.845	1.9	319#	0.00
85	n-Butylbenzene	1.347	1.069	20.6	269#	0.00
86 T	Hexachloroethane	0.245	0.197	19.6	270#	0.00
87 M	1,2-Dichlorobenzene	0.859	0.731	14.9	278#	0.00
88	1,2-Dibromo-3-Chloropropane	0.131	0.100	23.7	260#	0.00
89	1,2,4-Trichlorobenzene	0.603	0.528	12.4	295#	0.00
90	Hexachlorobutadiene	0.273	0.255	6.6	304#	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.843	1.808	1.9	321#	0.00
92	1,2,3-Trichlorobenzene	0.614	0.601	2.1	317#	0.00

(#) = Out of Range

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