

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX050319\
 Data File : VX009307.D
 Acq On : 03 May 2019 13:33
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: May 04 03:30:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 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	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	94	0.00
2 M	Dichlorodifluoromethane	1.594	1.527	4.2	91	0.00
3 M	Chloromethane	2.143	2.023	5.6	90	0.00
4 M	Vinyl Chloride	2.138	2.032	5.0	90	0.00
5 M	Bromomethane	1.355	1.168	13.8	91	0.00
6 M	Chloroethane	1.402	1.247	11.1	82	0.00
7 M	Trichlorofluoromethane	2.640	2.534	4.0	92	0.00
8 T	Diethyl Ether	1.226	1.168	4.7	92	0.00
9	1,1,2-Trichlorotrifluoroeth	1.634	1.597	2.3	93	0.00
10 M	1,1-Dichloroethene	1.641	1.570	4.3	91	0.00
11	Methyl Iodide	1.784	1.723	3.4	99	0.00
12	Methyl Acetate	3.091	2.803	9.3	89	0.00
13 M	Acrolein	0.424	0.296	30.2#	72	0.00
14 M	Acrylonitrile	1.341	1.247	7.0	90	0.00
15 M	Acetone	0.385	0.350	9.1	85	0.00
16 M	Carbon Disulfide	4.440	4.191	5.6	91	0.00
17	Allyl chloride	3.939	3.675	6.7	90	0.00
18 M	Methylene Chloride	1.983	1.903	4.0	93	0.00
19 M	trans-1,2-Dichloroethene	1.750	1.674	4.3	92	0.00
20 T	Diisopropyl ether	7.758	7.434	4.2	92	0.00
21 M	1,1-Dichloroethane	3.754	3.558	5.2	92	0.00
22 M	cis-1,2-Dichloroethene	2.107	2.033	3.5	93	0.00
23 M	tert-Butyl Alcohol	0.567	0.517	8.8	91	0.00
24 M	Methyl tert-Butyl Ether	6.422	6.064	5.6	92	0.00
25 M	Chloroform	3.426	3.281	4.2	92	0.00
26	Cyclohexane	3.499	3.363	3.9	91	0.00
27 s	1,2-Dichloroethane-d4	2.489	2.388	4.1	91	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
29	1,1-Dichloropropene	0.440	0.439	0.2	93	0.00
30 M	2-Butanone	0.345	0.325	5.8	88	0.00
31	2,2-Dichloropropane	0.485	0.457	5.8	89	0.00
32 M	1,1,1-Trichloroethane	0.477	0.474	0.6	95	0.00
33 M	Carbon Tetrachloride	0.399	0.388	2.8	92	0.00
34 M	Benzene	1.357	1.340	1.3	92	0.00
35	Methacrylonitrile	0.361	0.349	3.3	90	0.00
36 M	1,2-Dichloroethane	0.492	0.489	0.6	93	0.00
37 M	Trichloroethene	0.327	0.323	1.2	94	0.00
38	Methylcyclohexane	0.544	0.542	0.4	94	0.00
39 M	1,2-Dichloropropane	0.386	0.386	0.0	94	0.00
40	Dibromomethane	0.219	0.216	1.4	92	0.00
41 M	Bromodichloromethane	0.448	0.438	2.2	93	0.00
42 M	Vinyl Acetate	1.138	1.121	1.5	91	0.00
43	Ethyl Acetate	0.623	0.603	3.2	88	0.00
44	Isopropyl Acetate	1.009	0.964	4.5	92	0.00
45 T	1,4-Dioxane	0.010	0.010#	0.0	91	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.504	0.480	4.8	90	0.00
47	n-amyl Acetate	0.909	0.843	7.3	90	0.00
48 M	t-1,3-Dichloropropene	0.523	0.484	7.5	90	0.00
49 T	cis-1,3-Dichloropropene	0.574	0.554	3.5	93	0.00
50 M	1,1,2-Trichloroethane	0.336	0.335	0.3	93	0.00
51	Ethyl methacrylate	0.621	0.585	5.8	90	0.00
52	1,3-Dichloropropane	0.596	0.583	2.2	91	0.00
53 M	Dibromochloromethane	0.335	0.322	3.9	93	0.00
54 M	1,2-Dibromoethane	0.345	0.333	3.5	91	0.00
55 M	2-Chloroethyl vinyl ether	0.331	0.329	0.6	90	0.00
56 M	Bromoform	0.257	0.238	7.4	93	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
58 M	4-Methyl-2-Pentanone	0.738	0.709	3.9	90	0.00
59 M	2-Hexanone	0.579	0.539	6.9	87	0.00
60 S	4-Bromofluorobenzene	0.510	0.507	0.6	92	0.00
61 M	Tetrachloroethene	0.331	0.343	-3.6	97	0.00
62 M	Toluene	1.603	1.608	-0.3	93	0.00
63 S	Toluene-d8	1.422	1.445	-1.6	93	0.00
64 M	Chlorobenzene	0.965	0.966	-0.1	95	0.00
65	1,1,1,2-Tetrachloroethane	0.353	0.348	1.4	94	0.00
66 M	Ethyl Benzene	1.786	1.775	0.6	93	0.00
67 M	m/p-Xylenes	0.652	0.652	0.0	94	0.00
68 M	o-Xylene	0.641	0.636	0.8	94	0.00
69 M	Styrene	1.125	1.113	1.1	94	0.00
70	Isopropylbenzene	1.724	1.741	-1.0	95	0.00
71 M	1,1,2,2-Tetrachloroethane	0.631	0.613	2.9	93	0.00
72	1,2,3-Trichloropropane	0.544	0.546	-0.4	93	0.00
73	Bromobenzene	0.426	0.424	0.5	94	0.00
74	n-propylbenzene	1.998	2.018	-1.0	95	0.00
75	2-Chlorotoluene	1.198	1.201	-0.3	94	0.00
76	1,3,5-Trimethylbenzene	1.461	1.477	-1.1	95	0.00
77	t-1,4-Dichloro-2-butene	0.220	0.193	12.3	90	0.00
78	4-Chlorotoluene	1.361	1.365	-0.3	96	0.00
79	tert-butylbenzene	1.412	1.415	-0.2	95	0.00
80	1,2,4-Trimethylbenzene	1.464	1.457	0.5	94	0.00
81	sec-Butylbenzene	1.678	1.702	-1.4	96	0.00
82	p-Isopropyltoluene	1.526	1.541	-1.0	96	0.00
83 M	1,3-Dichlorobenzene	0.761	0.744	2.2	95	0.00
84 M	1,4-Dichlorobenzene	0.758	0.744	1.8	96	0.00
85	n-Butylbenzene	1.396	1.370	1.9	96	0.00
86 T	Hexachloroethane	0.260	0.245	5.8	90	0.00
87 M	1,2-Dichlorobenzene	0.766	0.767	-0.1	96	0.00
88	1,2-Dibromo-3-Chloropropane	0.147	0.136	7.5	89	0.00
89	1,2,4-Trichlorobenzene	0.546	0.536	1.8	98	0.00
90	Hexachlorobutadiene	0.273	0.275	-0.7	99	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.787	1.772	0.8	94	0.00
92	1,2,3-Trichlorobenzene	0.555	0.562	-1.3	97	0.00

(#) = Out of Range

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