

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041720\
 Data File : VX015755.D
 Acq On : 17 Apr 2020 21:41
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 20 06:50:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 26 02:31:53 2020
 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	92	0.00
2 M	Dichlorodifluoromethane	1.433	1.083	24.4	75	0.00
3 M	Chloromethane	1.768	1.374	22.3	80	0.00
4 M	Vinyl Chloride	1.701	1.528	10.2	90	0.00
5 M	Bromomethane	0.905	0.324	64.2#	28	0.00
6 M	Chloroethane	1.061	1.100	-3.7	100	0.00
7 M	Trichlorofluoromethane	2.431	2.149	11.6	86	0.00
8 T	Diethyl Ether	0.935	0.930	0.5	98	0.00
9	1,1,2-Trichlorotrifluoroeth	1.608	1.438	10.6	87	0.00
10 M	1,1-Dichloroethene	1.634	1.507	7.8	89	0.00
11	Methyl Iodide	2.171	0.459	78.9#	22	0.00
12	Methyl Acetate	2.390	2.252	5.8	91	0.00
13 M	Acrolein	0.311	0.214	31.2#	66	0.00
14 M	Acrylonitrile	1.023	0.976	4.6	91	0.00
15 M	Acetone	0.260	0.243	6.5	88	0.00
16 M	Carbon Disulfide	4.775	18.223	-281.6#	370#	0.00
17	Allyl chloride	3.688	3.059	17.1	80	0.00
18 M	Methylene Chloride	1.834	1.713	6.6	91	0.00
19 M	trans-1,2-Dichloroethene	1.767	1.660	6.1	91	0.00
20 T	Diisopropyl ether	6.615	6.114	7.6	88	0.00
21 M	1,1-Dichloroethane	3.377	3.099	8.2	88	0.00
22 M	cis-1,2-Dichloroethene	2.036	1.940	4.7	93	0.00
23 M	tert-Butyl Alcohol	0.503	0.404	19.7	75	0.00
24 M	Methyl tert-Butyl Ether	6.065	5.598	7.7	88	0.00
25 M	Chloroform	3.338	3.104	7.0	90	0.00
26	Cyclohexane	3.226	2.772	14.1	83	0.00
27 s	1,2-Dichloroethane-d4	2.344	2.220	5.3	86	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
29	1,1-Dichloropropene	0.451	0.419	7.1	89	0.00
30 M	2-Butanone	0.270	0.248	8.1	86	0.00
31	2,2-Dichloropropane	0.542	0.413	23.8	72	0.00
32 M	1,1,1-Trichloroethane	0.550	0.482	12.4	83	0.00
33 M	Carbon Tetrachloride	0.501	0.427	14.8	81	0.00
34 M	Benzene	1.299	1.218	6.2	89	0.00
35	Methacrylonitrile	0.306	0.286	6.5	89	0.00
36 M	1,2-Dichloroethane	0.502	0.463	7.8	86	0.00
37 M	Trichloroethene	0.366	0.359	1.9	94	0.00
38	Methylcyclohexane	0.553	0.478	13.6	82	0.00
39 M	1,2-Dichloropropane	0.349	0.325	6.9	89	0.00
40	Dibromomethane	0.232	0.214	7.8	89	0.00
41 M	Bromodichloromethane	0.505	0.432	14.5	82	0.00
42 M	Vinyl Acetate	1.024	0.966	5.7	86	0.00
43	Ethyl Acetate	0.588	0.502	14.6	88	0.00
44	Isopropyl Acetate	0.946	0.837	11.5	84	0.00
45 T	1,4-Dioxane	0.009	0.007#	22.2	76	0.00

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Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.472	0.413	12.5	83	0.00
47	n-amyl Acetate	0.816	0.714	12.5	85	0.00
48 M	t-1,3-Dichloropropene	0.583	0.485	16.8	80	0.00
49 T	cis-1,3-Dichloropropene	0.601	0.520	13.5	82	0.00
50 M	1,1,2-Trichloroethane	0.333	0.314	5.7	90	0.00
51	Ethyl methacrylate	0.573	0.521	9.1	88	0.00
52	1,3-Dichloropropane	0.576	0.540	6.2	89	0.00
53 M	Dibromochloromethane	0.411	0.362	11.9	85	0.00
54 M	1,2-Dibromoethane	0.358	0.335	6.4	89	0.00
55 M	2-Chloroethyl vinyl ether	0.271	0.239	11.8	82	0.00
56 M	Bromoform	0.338	0.269	20.4	78	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
58 M	4-Methyl-2-Pentanone	0.574	0.537	6.4	87	0.00
59 M	2-Hexanone	0.437	0.401	8.2	86	0.00
60 S	4-Bromofluorobenzene	0.513	0.504	1.8	91	0.00
61 M	Tetrachloroethene	0.386	0.362	6.2	91	0.00
62 M	Toluene	1.520	1.442	5.1	92	0.00
63 S	Toluene-d8	1.275	1.255	1.6	90	0.00
64 M	Chlorobenzene	0.977	0.915	6.3	92	0.00
65	1,1,1,2-Tetrachloroethane	0.399	0.351	12.0	87	0.00
66 M	Ethyl Benzene	1.736	1.642	5.4	91	0.00
67 M	m/p-Xylenes	0.657	0.611	7.0	90	0.00
68 M	o-Xylene	0.642	0.607	5.5	92	0.00
69 M	Styrene	1.119	1.055	5.7	91	0.00
70	Isopropylbenzene	1.702	1.595	6.3	90	0.00
71 M	1,1,2,2-Tetrachloroethane	0.552	0.523	5.3	93	0.00
72	1,2,3-Trichloropropane	0.516	0.446	13.6	83	0.00
73	Bromobenzene	0.457	0.433	5.3	95	0.00
74	n-propylbenzene	1.953	1.835	6.0	90	0.00
75	2-Chlorotoluene	1.188	1.102	7.2	89	0.00
76	1,3,5-Trimethylbenzene	1.462	1.358	7.1	89	0.00
77	t-1,4-Dichloro-2-butene	0.222	0.105	52.7#	46	0.00
78	4-Chlorotoluene	1.374	1.304	5.1	91	0.00
79	tert-butylbenzene	1.461	1.313	10.1	87	0.00
80	1,2,4-Trimethylbenzene	1.481	1.371	7.4	89	0.00
81	sec-Butylbenzene	1.676	1.518	9.4	87	0.00
82	p-Isopropyltoluene	1.580	1.455	7.9	90	0.00
83 M	1,3-Dichlorobenzene	0.822	0.781	5.0	95	0.00
84 M	1,4-Dichlorobenzene	0.820	0.793	3.3	96	0.00
85	n-Butylbenzene	1.408	1.271	9.7	88	0.00
86 T	Hexachloroethane	0.305	0.183	40.0#	61	0.00
87 M	1,2-Dichlorobenzene	0.802	0.768	4.2	95	0.00
88	1,2-Dibromo-3-Chloropropane	0.145	0.116	20.0	77	0.00
89	1,2,4-Trichlorobenzene	0.646	0.590	8.7	95	0.00
90	Hexachlorobutadiene	0.340	0.257	24.4	81	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.870	1.840	1.6	95	0.00
92	1,2,3-Trichlorobenzene	0.642	0.592	7.8	94	0.00

(#) = Out of Range

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