

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX1111419\
 Data File : VX013432.D
 Acq On : 14 Nov 2019 19:40
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 15 06:06:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 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	2.248	1.961	12.8	85	0.00
3 M	Chloromethane	2.450	2.300	6.1	92	0.00
4 M	Vinyl Chloride	2.784	2.604	6.5	92	0.00
5 M	Bromomethane	1.673	1.335	20.2	89	0.00
6 M	Chloroethane	1.530	1.424	6.9	94	0.00
7 M	Trichlorofluoromethane	2.997	2.705	9.7	92	0.00
8 T	Diethyl Ether	1.368	1.297	5.2	97	0.00
9	1,1,2-Trichlorotrifluoroeth	1.803	1.601	11.2	89	0.00
10 M	1,1-Dichloroethene	1.853	1.677	9.5	92	0.00
11	Methyl Iodide	2.288	2.060	10.0	97	0.00
12	Methyl Acetate	3.247	3.148	3.0	98	0.00
13 M	Acrolein	0.345	0.295	14.5	87	0.00
14 M	Acrylonitrile	1.194	1.126	5.7	96	0.00
15 M	Acetone	0.362	0.305	15.7	75	0.00
16 M	Carbon Disulfide	5.168	4.367	15.5	87	0.00
17	Allyl chloride	3.412	3.097	9.2	92	0.00
18 M	Methylene Chloride	2.102	1.933	8.0	95	0.00
19 M	trans-1,2-Dichloroethene	1.980	1.796	9.3	93	0.00
20 T	Diisopropyl ether	6.564	6.096	7.1	95	0.00
21 M	1,1-Dichloroethane	3.575	3.271	8.5	94	0.00
22 M	cis-1,2-Dichloroethene	2.258	2.091	7.4	95	0.00
23 M	tert-Butyl Alcohol	0.575	0.523	9.0	98	0.00
24 M	Methyl tert-Butyl Ether	6.132	5.634	8.1	94	0.00
25 M	Chloroform	3.500	3.292	5.9	96	0.00
26	Cyclohexane	3.247	2.823	13.1	90	0.00
27 s	1,2-Dichloroethane-d4	2.215	2.081	6.0	91	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
29	1,1-Dichloropropene	0.458	0.431	5.9	92	0.00
30 M	2-Butanone	0.302	0.298	1.3	90	0.00
31	2,2-Dichloropropane	0.496	0.450	9.3	86	0.00
32 M	1,1,1-Trichloroethane	0.509	0.494	2.9	93	0.00
33 M	Carbon Tetrachloride	0.442	0.409	7.5	88	0.00
34 M	Benzene	1.390	1.365	1.8	93	0.00
35	Methacrylonitrile	0.302	0.299	1.0	94	0.00
36 M	1,2-Dichloroethane	0.486	0.481	1.0	94	0.00
37 M	Trichloroethene	0.372	0.364	2.2	95	0.00
38	Methylcyclohexane	0.562	0.508	9.6	88	0.00
39 M	1,2-Dichloropropane	0.359	0.353	1.7	95	0.00
40	Dibromomethane	0.239	0.240	-0.4	96	0.00
41 M	Bromodichloromethane	0.467	0.440	5.8	90	0.00
42 M	Vinyl Acetate	0.952	0.929	2.4	93	0.00
43	Ethyl Acetate	0.552	0.562	-1.8	96	0.00
44	Isopropyl Acetate	0.887	0.852	3.9	93	0.00
45 T	1,4-Dioxane	0.010	0.010#	0.0	99	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.441	0.427	3.2	95	0.00
47	n-amyl Acetate	0.778	0.717	7.8	92	0.00
48 M	t-1,3-Dichloropropene	0.524	0.468	10.7	90	0.00
49 T	cis-1,3-Dichloropropene	0.574	0.542	5.6	92	0.00
50 M	1,1,2-Trichloroethane	0.354	0.349	1.4	93	0.00
51	Ethyl methacrylate	0.583	0.551	5.5	94	0.00
52	1,3-Dichloropropane	0.605	0.595	1.7	93	0.00
53 M	Dibromochloromethane	0.375	0.348	7.2	92	0.00
54 M	1,2-Dibromoethane	0.378	0.377	0.3	94	0.00
55 M	2-Chloroethyl vinyl ether	0.249	0.229	8.0	87	0.00
56 M	Bromoform	0.298	0.261	12.4	89	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
58 M	4-Methyl-2-Pentanone	0.627	0.643	-2.6	97	0.00
59 M	2-Hexanone	0.496	0.492	0.8	93	0.00
60 S	4-Bromofluorobenzene	0.482	0.475	1.5	92	0.00
61 M	Tetrachloroethene	0.370	0.363	1.9	95	0.00
62 M	Toluene	1.671	1.641	1.8	92	0.00
63 S	Toluene-d8	1.357	1.372	-1.1	92	0.00
64 M	Chlorobenzene	1.045	1.019	2.5	94	0.00
65	1,1,1,2-Tetrachloroethane	0.391	0.378	3.3	94	0.00
66 M	Ethyl Benzene	1.836	1.773	3.4	93	0.00
67 M	m/p-Xylenes	0.708	0.674	4.8	92	0.00
68 M	o-Xylene	0.683	0.668	2.2	95	0.00
69 M	Styrene	1.167	1.128	3.3	94	0.00
70	Isopropylbenzene	1.801	1.747	3.0	93	0.00
71 M	1,1,2,2-Tetrachloroethane	0.645	0.642	0.5	95	0.00
72	1,2,3-Trichloropropane	0.544	0.503	7.5	95	0.00
73	Bromobenzene	0.475	0.466	1.9	96	0.00
74	n-propylbenzene	2.047	1.953	4.6	92	0.00
75	2-Chlorotoluene	1.217	1.161	4.6	92	0.00
76	1,3,5-Trimethylbenzene	1.514	1.456	3.8	93	0.00
77	t-1,4-Dichloro-2-butene	0.220	0.190	13.6	88	0.00
78	4-Chlorotoluene	1.394	1.320	5.3	93	0.00
79	tert-butylbenzene	1.527	1.462	4.3	92	0.00
80	1,2,4-Trimethylbenzene	1.508	1.446	4.1	93	0.00
81	sec-Butylbenzene	1.742	1.658	4.8	93	0.00
82	p-Isopropyltoluene	1.605	1.500	6.5	91	0.00
83 M	1,3-Dichlorobenzene	0.835	0.795	4.8	95	0.00
84 M	1,4-Dichlorobenzene	0.829	0.786	5.2	95	0.00
85	n-Butylbenzene	1.386	1.265	8.7	92	0.00
86 T	Hexachloroethane	0.295	0.259	12.2	90	0.00
87 M	1,2-Dichlorobenzene	0.835	0.800	4.2	94	0.00
88	1,2-Dibromo-3-Chloropropane	0.144	0.140	2.8	99	0.00
89	1,2,4-Trichlorobenzene	0.576	0.539	6.4	95	0.00
90	Hexachlorobutadiene	0.276	0.262	5.1	95	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.823	1.721	5.6	94	0.00
92	1,2,3-Trichlorobenzene	0.582	0.539	7.4	92	0.00

(#) = Out of Range

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