

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX112219\
 Data File : VX013521.D
 Acq On : 22 Nov 2019 10:02
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 22 14:13:22 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	105	0.00
2 M	Dichlorodifluoromethane	2.248	2.170	3.5	106	0.00
3 M	Chloromethane	2.450	2.267	7.5	102	0.00
4 M	Vinyl Chloride	2.784	2.651	4.8	105	0.00
5 M	Bromomethane	1.673	1.415	15.4	105	0.00
6 M	Chloroethane	1.530	1.387	9.3	103	0.00
7 M	Trichlorofluoromethane	2.997	2.836	5.4	108	0.00
8 T	Diethyl Ether	1.368	1.285	6.1	108	0.00
9	1,1,2-Trichlorotrifluoroeth	1.803	1.801	0.1	113	0.00
10 M	1,1-Dichloroethene	1.853	1.739	6.2	107	0.00
11	Methyl Iodide	2.288	1.780	22.2	94	0.00
12	Methyl Acetate	3.247	2.976	8.3	104	0.00
13 M	Acrolein	0.345	0.286	17.1	94	0.00
14 M	Acrylonitrile	1.194	1.055	11.6	101	0.00
15 M	Acetone	0.362	0.360	0.6	100	0.00
16 M	Carbon Disulfide	5.168	4.712	8.8	106	0.00
17	Allyl chloride	3.412	3.135	8.1	104	0.00
18 M	Methylene Chloride	2.102	1.945	7.5	107	0.00
19 M	trans-1,2-Dichloroethene	1.980	1.884	4.8	110	0.00
20 T	Diisopropyl ether	6.564	6.182	5.8	108	0.00
21 M	1,1-Dichloroethane	3.575	3.324	7.0	107	0.00
22 M	cis-1,2-Dichloroethene	2.258	2.159	4.4	110	0.00
23 M	tert-Butyl Alcohol	0.575	0.481	16.3	101	0.00
24 M	Methyl tert-Butyl Ether	6.132	5.703	7.0	106	0.00
25 M	Chloroform	3.500	3.286	6.1	107	0.00
26	Cyclohexane	3.247	3.085	5.0	110	0.00
27 s	1,2-Dichloroethane-d4	2.215	2.108	4.8	104	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	106	0.00
29	1,1-Dichloropropene	0.458	0.446	2.6	111	0.00
30 M	2-Butanone	0.302	0.290	4.0	102	0.00
31	2,2-Dichloropropane	0.496	0.491	1.0	109	0.00
32 M	1,1,1-Trichloroethane	0.509	0.486	4.5	106	0.00
33 M	Carbon Tetrachloride	0.442	0.420	5.0	105	0.00
34 M	Benzene	1.390	1.347	3.1	107	0.00
35	Methacrylonitrile	0.302	0.284	6.0	104	0.00
36 M	1,2-Dichloroethane	0.486	0.456	6.2	104	0.00
37 M	Trichloroethene	0.372	0.372	0.0	113	0.00
38	Methylcyclohexane	0.562	0.563	-0.2	113	0.00
39 M	1,2-Dichloropropane	0.359	0.341	5.0	106	0.00
40	Dibromomethane	0.239	0.224	6.3	104	0.00
41 M	Bromodichloromethane	0.467	0.444	4.9	105	0.00
42 M	Vinyl Acetate	0.952	0.905	4.9	105	0.00
43	Ethyl Acetate	0.552	0.511	7.4	101	0.00
44	Isopropyl Acetate	0.887	0.818	7.8	104	0.00
45 T	1,4-Dioxane	0.010	0.009#	10.0	99	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.441	0.405	8.2	105	0.00
47	n-amyl Acetate	0.778	0.701	9.9	104	0.00
48 M	t-1,3-Dichloropropene	0.524	0.490	6.5	109	0.00
49 T	cis-1,3-Dichloropropene	0.574	0.543	5.4	107	0.00
50 M	1,1,2-Trichloroethane	0.354	0.351	0.8	109	0.00
51	Ethyl methacrylate	0.583	0.547	6.2	109	0.00
52	1,3-Dichloropropane	0.605	0.579	4.3	105	0.00
53 M	Dibromochloromethane	0.375	0.350	6.7	107	0.00
54 M	1,2-Dibromoethane	0.378	0.360	4.8	105	0.00
55 M	2-Chloroethyl vinyl ether	0.249	0.221	11.2	97	0.00
56 M	Bromoform	0.298	0.269	9.7	107	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00
58 M	4-Methyl-2-Pentanone	0.627	0.586	6.5	102	0.00
59 M	2-Hexanone	0.496	0.467	5.8	102	0.00
60 S	4-Bromofluorobenzene	0.482	0.483	-0.2	108	0.00
61 M	Tetrachloroethene	0.370	0.378	-2.2	114	0.00
62 M	Toluene	1.671	1.644	1.6	107	0.00
63 S	Toluene-d8	1.357	1.384	-2.0	107	0.00
64 M	Chlorobenzene	1.045	1.023	2.1	110	0.00
65	1,1,1,2-Tetrachloroethane	0.391	0.380	2.8	109	0.00
66 M	Ethyl Benzene	1.836	1.811	1.4	109	0.00
67 M	m/p-Xylenes	0.708	0.690	2.5	109	0.00
68 M	o-Xylene	0.683	0.678	0.7	112	0.00
69 M	Styrene	1.167	1.132	3.0	109	0.00
70	Isopropylbenzene	1.801	1.793	0.4	110	0.00
71 M	1,1,2,2-Tetrachloroethane	0.645	0.613	5.0	105	0.00
72	1,2,3-Trichloropropane	0.544	0.499	8.3	109	0.00
73	Bromobenzene	0.475	0.464	2.3	110	0.00
74	n-propylbenzene	2.047	2.035	0.6	111	0.00
75	2-Chlorotoluene	1.217	1.203	1.2	110	0.00
76	1,3,5-Trimethylbenzene	1.514	1.507	0.5	111	0.00
77	t-1,4-Dichloro-2-butene	0.220	0.196	10.9	105	0.00
78	4-Chlorotoluene	1.394	1.352	3.0	110	0.00
79	tert-butylbenzene	1.527	1.474	3.5	108	0.00
80	1,2,4-Trimethylbenzene	1.508	1.489	1.3	111	0.00
81	sec-Butylbenzene	1.742	1.731	0.6	112	0.00
82	p-Isopropyltoluene	1.605	1.596	0.6	112	0.00
83 M	1,3-Dichlorobenzene	0.835	0.804	3.7	111	0.00
84 M	1,4-Dichlorobenzene	0.829	0.817	1.4	114	0.00
85	n-Butylbenzene	1.386	1.355	2.2	113	0.00
86 T	Hexachloroethane	0.295	0.278	5.8	112	0.00
87 M	1,2-Dichlorobenzene	0.835	0.808	3.2	110	0.00
88	1,2-Dibromo-3-Chloropropane	0.144	0.128	11.1	105	0.00
89	1,2,4-Trichlorobenzene	0.576	0.549	4.7	112	0.00
90	Hexachlorobutadiene	0.276	0.266	3.6	112	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.823	1.707	6.4	108	0.00
92	1,2,3-Trichlorobenzene	0.582	0.563	3.3	111	0.00

(#) = Out of Range

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