

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX120519\
 Data File : VX013784.D
 Acq On : 05 Dec 2019 18:47
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Dec 06 03:36:17 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	92	0.00
2 M	Dichlorodifluoromethane	2.248	1.932	14.1	82	0.00
3 M	Chloromethane	2.450	2.071	15.5	81	0.00
4 M	Vinyl Chloride	2.784	2.405	13.6	83	0.00
5 M	Bromomethane	1.673	1.230	26.5	80	0.00
6 M	Chloroethane	1.530	1.812	-18.4	117	0.00
7 M	Trichlorofluoromethane	2.997	2.644	11.8	87	0.00
8 T	Diethyl Ether	1.368	1.252	8.5	91	0.00
9	1,1,2-Trichlorotrifluoroeth	1.803	1.569	13.0	85	0.00
10 M	1,1-Dichloroethene	1.853	1.584	14.5	85	0.00
11	Methyl Iodide	2.288	1.930	15.6	89	0.00
12	Methyl Acetate	3.247	2.835	12.7	86	0.00
13 M	Acrolein	0.345	0.085	75.4#	24	0.00
14 M	Acrylonitrile	1.194	0.972	18.6	81	0.00
15 M	Acetone	0.362	0.333	8.0	80	0.00
16 M	Carbon Disulfide	5.168	4.411	14.6	86	0.00
17	Allyl chloride	3.412	2.855	16.3	83	0.00
18 M	Methylene Chloride	2.102	1.886	10.3	91	0.00
19 M	trans-1,2-Dichloroethene	1.980	1.725	12.9	87	0.00
20 T	Diisopropyl ether	6.564	5.791	11.8	88	0.00
21 M	1,1-Dichloroethane	3.575	3.158	11.7	88	0.00
22 M	cis-1,2-Dichloroethene	2.258	1.991	11.8	88	0.00
23 M	tert-Butyl Alcohol	0.575	0.418	27.3	76	0.00
24 M	Methyl tert-Butyl Ether	6.132	5.535	9.7	89	0.00
25 M	Chloroform	3.500	3.085	11.9	87	0.00
26	Cyclohexane	3.247	2.753	15.2	85	0.00
27 s	1,2-Dichloroethane-d4	2.215	2.117	4.4	91	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
29	1,1-Dichloropropene	0.458	0.417	9.0	89	0.00
30 M	2-Butanone	0.302	0.267	11.6	80	0.00
31	2,2-Dichloropropane	0.496	0.446	10.1	85	0.00
32 M	1,1,1-Trichloroethane	0.509	0.470	7.7	88	0.00
33 M	Carbon Tetrachloride	0.442	0.407	7.9	87	0.00
34 M	Benzene	1.390	1.298	6.6	88	0.00
35	Methacrylonitrile	0.302	0.274	9.3	85	0.00
36 M	1,2-Dichloroethane	0.486	0.455	6.4	88	0.00
37 M	Trichloroethene	0.372	0.345	7.3	89	0.00
38	Methylcyclohexane	0.562	0.499	11.2	86	0.00
39 M	1,2-Dichloropropane	0.359	0.331	7.8	88	0.00
40	Dibromomethane	0.239	0.217	9.2	86	0.00
41 M	Bromodichloromethane	0.467	0.435	6.9	88	0.00
42 M	Vinyl Acetate	0.952	0.857	10.0	85	0.00
43	Ethyl Acetate	0.552	0.483	12.5	82	0.00
44	Isopropyl Acetate	0.887	0.783	11.7	85	0.00
45 T	1,4-Dioxane	0.010	0.008#	20.0	78	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.441	0.392	11.1	87	0.00
47	n-amyl Acetate	0.778	0.674	13.4	86	0.00
48 M	t-1,3-Dichloropropene	0.524	0.462	11.8	88	0.00
49 T	cis-1,3-Dichloropropene	0.574	0.528	8.0	89	0.00
50 M	1,1,2-Trichloroethane	0.354	0.337	4.8	89	0.00
51	Ethyl methacrylate	0.583	0.521	10.6	89	0.00
52	1,3-Dichloropropane	0.605	0.567	6.3	88	0.00
53 M	Dibromochloromethane	0.375	0.344	8.3	90	0.00
54 M	1,2-Dibromoethane	0.378	0.348	7.9	87	0.00
55 M	2-Chloroethyl vinyl ether	0.249	0.207	16.9	78	0.00
56 M	Bromoform	0.298	0.265	11.1	90	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
58 M	4-Methyl-2-Pentanone	0.627	0.551	12.1	83	0.00
59 M	2-Hexanone	0.496	0.430	13.3	81	0.00
60 S	4-Bromofluorobenzene	0.482	0.480	0.4	93	0.00
61 M	Tetrachloroethene	0.370	0.351	5.1	92	0.00
62 M	Toluene	1.671	1.544	7.6	87	0.00
63 S	Toluene-d8	1.357	1.338	1.4	90	0.00
64 M	Chlorobenzene	1.045	0.970	7.2	90	0.00
65	1,1,1,2-Tetrachloroethane	0.391	0.365	6.6	91	0.00
66 M	Ethyl Benzene	1.836	1.687	8.1	88	0.00
67 M	m/p-Xylenes	0.708	0.649	8.3	89	0.00
68 M	o-Xylene	0.683	0.637	6.7	91	0.00
69 M	Styrene	1.167	1.077	7.7	90	0.00
70	Isopropylbenzene	1.801	1.675	7.0	89	0.00
71 M	1,1,2,2-Tetrachloroethane	0.645	0.584	9.5	87	0.00
72	1,2,3-Trichloropropane	0.544	0.465	14.5	88	0.00
73	Bromobenzene	0.475	0.439	7.6	91	0.00
74	n-propylbenzene	2.047	1.899	7.2	90	0.00
75	2-Chlorotoluene	1.217	1.121	7.9	89	0.00
76	1,3,5-Trimethylbenzene	1.514	1.392	8.1	89	0.00
77	t-1,4-Dichloro-2-butene	0.220	0.181	17.7	84	0.00
78	4-Chlorotoluene	1.394	1.278	8.3	90	0.00
79	tert-butylbenzene	1.527	1.403	8.1	89	0.00
80	1,2,4-Trimethylbenzene	1.508	1.397	7.4	90	0.00
81	sec-Butylbenzene	1.742	1.606	7.8	91	0.00
82	p-Isopropyltoluene	1.605	1.483	7.6	91	0.00
83 M	1,3-Dichlorobenzene	0.835	0.772	7.5	93	0.00
84 M	1,4-Dichlorobenzene	0.829	0.765	7.7	92	0.00
85	n-Butylbenzene	1.386	1.236	10.8	90	0.00
86 T	Hexachloroethane	0.295	0.259	12.2	91	0.00
87 M	1,2-Dichlorobenzene	0.835	0.765	8.4	90	0.00
88	1,2-Dibromo-3-Chloropropane	0.144	0.126	12.5	89	0.00
89	1,2,4-Trichlorobenzene	0.576	0.528	8.3	93	0.00
90	Hexachlorobutadiene	0.276	0.245	11.2	89	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.823	1.688	7.4	92	0.00
92	1,2,3-Trichlorobenzene	0.582	0.547	6.0	94	0.00

(#) = Out of Range

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