

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN102519\
 Data File : VN058947.D
 Acq On : 24 Oct 2019 9:49
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 25 01:40:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 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	96	0.00
2 M	Dichlorodifluoromethane	1.625	1.615	0.6	91	0.00
3 M	Chloromethane	2.171	2.120	2.3	91	0.00
4 M	Vinyl Chloride	2.244	2.216	1.2	91	0.00
5 M	Bromomethane	1.386	1.314	5.2	85	0.00
6 M	Chloroethane	1.411	1.439	-2.0	95	0.00
7 M	Trichlorofluoromethane	2.762	2.851	-3.2	96	0.00
8 T	Diethyl Ether	1.053	0.971	7.8	85	0.00
9	1,1,2-Trichlorotrifluoroeth	1.598	1.579	1.2	93	0.00
10 M	1,1-Dichloroethene	1.570	1.444	8.0	85	0.00
11	Methyl Iodide	2.186	1.540	29.6	68	0.00
12	Methyl Acetate	2.511	2.484	1.1	95	0.00
13 M	Acrolein	0.277	0.214	22.7	77	0.00
14 M	Acrylonitrile	0.990	0.975	1.5	96	0.00
15 M	Acetone	0.294	0.405	-37.8#	135	0.00
16 M	Carbon Disulfide	4.578	4.374	4.5	89	0.00
17	Allyl chloride	3.124	2.968	5.0	89	0.00
18 M	Methylene Chloride	1.901	1.783	6.2	88	0.00
19 M	trans-1,2-Dichloroethene	1.709	1.590	7.0	86	0.00
20 T	Diisopropyl ether	6.365	6.170	3.1	91	0.00
21 M	1,1-Dichloroethane	3.525	3.400	3.5	90	0.00
22 M	cis-1,2-Dichloroethene	2.037	1.898	6.8	87	0.00
23 M	tert-Butyl Alcohol	0.405	0.386	4.7	93	0.00
24 M	Methyl tert-Butyl Ether	5.856	5.350	8.6	86	0.00
25 M	Chloroform	3.515	3.341	5.0	89	0.00
26	Cyclohexane	3.094	2.743	11.3	85	0.00
27 s	1,2-Dichloroethane-d4	2.546	2.623	-3.0	98	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
29	1,1-Dichloropropene	0.472	0.455	3.6	86	0.00
30 M	2-Butanone	0.267	0.306	-14.6	106	0.00
31	2,2-Dichloropropane	0.557	0.557	0.0	93	0.00
32 M	1,1,1-Trichloroethane	0.546	0.545	0.2	88	0.00
33 M	Carbon Tetrachloride	0.473	0.471	0.4	88	0.00
34 M	Benzene	1.390	1.385	0.4	89	0.00
35	Methacrylonitrile	0.236	0.240	-1.7	91	0.00
36 M	1,2-Dichloroethane	0.532	0.532	0.0	88	0.00
37 M	Trichloroethene	0.342	0.325	5.0	85	0.00
38	Methylcyclohexane	0.548	0.489	10.8	81	0.00
39 M	1,2-Dichloropropane	0.380	0.380	0.0	88	0.00
40	Dibromomethane	0.240	0.241	-0.4	89	0.00
41 M	Bromodichloromethane	0.490	0.497	-1.4	90	0.00
42 M	Vinyl Acetate	0.935	0.970	-3.7	89	0.00
43	Ethyl Acetate	0.524	0.535	-2.1	91	0.00
44	Isopropyl Acetate	0.848	0.831	2.0	89	0.00
45 T	1,4-Dioxane	0.007	0.007#	0.0	95	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.390	0.372	4.6	88	0.00
47	n-amyl Acetate	0.752	0.687	8.6	85	0.00
48 M	t-1,3-Dichloropropene	0.568	0.541	4.8	86	0.00
49 T	cis-1,3-Dichloropropene	0.597	0.575	3.7	86	0.00
50 M	1,1,2-Trichloroethane	0.342	0.342	0.0	89	0.00
51	Ethyl methacrylate	0.548	0.505	7.8	85	0.00
52	1,3-Dichloropropane	0.610	0.592	3.0	86	0.00
53 M	Dibromochloromethane	0.367	0.362	1.4	89	0.00
54 M	1,2-Dibromoethane	0.355	0.348	2.0	88	0.00
55 M	2-Chloroethyl vinyl ether	0.272	0.256	5.9	80	0.00
56 M	Bromoform	0.256	0.259	-1.2	94	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
58 M	4-Methyl-2-Pentanone	0.547	0.569	-4.0	93	0.00
59 M	2-Hexanone	0.429	0.454	-5.8	98	0.00
60 S	4-Bromofluorobenzene	0.525	0.512	2.5	93	0.00
61 M	Tetrachloroethene	0.324	0.308	4.9	86	0.00
62 M	Toluene	1.614	1.534	5.0	87	0.00
63 S	Toluene-d8	1.416	1.440	-1.7	96	0.00
64 M	Chlorobenzene	0.987	0.915	7.3	85	0.00
65	1,1,1,2-Tetrachloroethane	0.370	0.346	6.5	87	0.00
66 M	Ethyl Benzene	1.787	1.620	9.3	83	0.00
67 M	m/p-Xylenes	0.668	0.605	9.4	84	0.00
68 M	o-Xylene	0.647	0.573	11.4	82	0.00
69 M	Styrene	1.069	0.940	12.1	83	0.00
70	Isopropylbenzene	1.747	1.594	8.8	84	0.00
71 M	1,1,2,2-Tetrachloroethane	0.588	0.566	3.7	89	0.00
72	1,2,3-Trichloropropane	0.533	0.523	1.9	90	0.00
73	Bromobenzene	0.424	0.391	7.8	86	0.00
74	n-propylbenzene	2.045	1.910	6.6	85	0.00
75	2-Chlorotoluene	1.231	1.142	7.2	86	0.00
76	1,3,5-Trimethylbenzene	1.497	1.352	9.7	84	0.00
77	t-1,4-Dichloro-2-butene	0.203	0.185	8.9	89	0.00
78	4-Chlorotoluene	1.268	1.157	8.8	86	0.00
79	tert-butylbenzene	1.279	1.115	12.8	81	0.00
80	1,2,4-Trimethylbenzene	1.487	1.351	9.1	84	0.00
81	sec-Butylbenzene	1.721	1.531	11.0	82	0.00
82	p-Isopropyltoluene	1.545	1.351	12.6	81	0.00
83 M	1,3-Dichlorobenzene	0.768	0.695	9.5	85	0.00
84 M	1,4-Dichlorobenzene	0.767	0.659	14.1	81	0.00
85	n-Butylbenzene	1.415	1.187	16.1	80	0.00
86 T	Hexachloroethane	0.281	0.262	6.8	88	0.00
87 M	1,2-Dichlorobenzene	0.758	0.692	8.7	86	0.00
88	1,2-Dibromo-3-Chloropropane	0.131	0.122	6.9	87	0.00
89	1,2,4-Trichlorobenzene	0.479	0.364	24.0	73	0.00
90	Hexachlorobutadiene	0.247	0.218	11.7	84	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.413	1.068	24.4	72	0.00
92	1,2,3-Trichlorobenzene	0.466	0.381	18.2	78	0.00

(#) = Out of Range

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