

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN082719\
 Data File : VN057548.D
 Acq On : 27 Aug 2019 12:00
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Aug 27 12:35:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 23:15:31 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	1.569	1.638	-4.4	93	0.00
3 M	Chloromethane	2.357	2.474	-5.0	94	0.00
4 M	Vinyl Chloride	2.994	3.163	-5.6	91	0.00
5 M	Bromomethane	1.937	1.926	0.6	87	0.00
6 M	Chloroethane	2.005	1.949	2.8	86	0.00
7 M	Trichlorofluoromethane	4.762	4.820	-1.2	89	0.00
8 T	Diethyl Ether	1.829	1.775	3.0	86	0.00
9	1,1,2-Trichlorotrifluoroeth	2.682	1.628	39.3#	53	0.00
10 M	1,1-Dichloroethene	2.589	1.500	42.1#	53	0.00
11	Methyl Iodide	2.328	2.138	8.2	98	0.00
12	Methyl Acetate	2.609	2.615	-0.2	95	0.00
13 M	Acrolein	0.332	0.302	9.0	81	0.00
14 M	Acrylonitrile	0.906	0.901	0.6	91	0.00
15 M	Acetone	0.424	0.249	41.3#	47	0.00
16 M	Carbon Disulfide	4.612	4.623	-0.2	93	0.00
17	Allyl chloride	3.533	3.570	-1.0	92	0.00
18 M	Methylene Chloride	1.899	2.117	-11.5	102	0.00
19 M	trans-1,2-Dichloroethene	1.788	1.898	-6.2	100	0.00
20 T	Diisopropyl ether	7.542	7.522	0.3	90	0.00
21 M	1,1-Dichloroethane	3.919	3.996	-2.0	92	0.00
22 M	cis-1,2-Dichloroethene	2.175	2.250	-3.4	94	0.00
23 M	tert-Butyl Alcohol	0.329	0.318	3.3	89	0.00
24 M	Methyl tert-Butyl Ether	5.983	6.268	-4.8	95	0.00
25 M	Chloroform	3.891	4.123	-6.0	97	0.00
26	Cyclohexane	3.490	3.519	-0.8	92	0.00
27 s	1,2-Dichloroethane-d4	2.892	2.870	0.8	89	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
29	1,1-Dichloropropene	0.510	0.514	-0.8	94	0.00
30 M	2-Butanone	0.245	0.231	5.7	85	0.00
31	2,2-Dichloropropane	0.583	0.583	0.0	92	0.00
32 M	1,1,1-Trichloroethane	0.583	0.595	-2.1	95	0.00
33 M	Carbon Tetrachloride	0.484	0.469	3.1	91	0.00
34 M	Benzene	1.499	1.540	-2.7	95	0.00
35	Methacrylonitrile	0.248	0.224	9.7	80	0.00
36 M	1,2-Dichloroethane	0.588	0.601	-2.2	96	0.00
37 M	Trichloroethene	0.342	0.345	-0.9	93	0.00
38	Methylcyclohexane	0.572	0.562	1.7	93	0.00
39 M	1,2-Dichloropropane	0.426	0.430	-0.9	93	0.00
40	Dibromomethane	0.261	0.274	-5.0	98	0.00
41 M	Bromodichloromethane	0.553	0.529	4.3	92	0.00
42 M	Vinyl Acetate	1.097	1.020	7.0	86	0.00
43	Ethyl Acetate	0.477	0.469	1.7	91	0.00
44	Isopropyl Acetate	0.911	0.850	6.7	87	0.00
45 T	1,4-Dioxane	0.005	0.006#	-20.0	96	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.433	0.393	9.2	86	0.00
47	n-amyl Acetate	0.733	0.611	16.6	83	0.00
48 M	t-1,3-Dichloropropene	0.584	0.513	12.2	86	0.00
49 T	cis-1,3-Dichloropropene	0.642	0.601	6.4	89	0.00
50 M	1,1,2-Trichloroethane	0.342	0.352	-2.9	95	0.00
51	Ethyl methacrylate	0.568	0.528	7.0	90	0.00
52	1,3-Dichloropropane	0.623	0.615	1.3	91	0.00
53 M	Dibromochloromethane	0.364	0.325	10.7	85	0.00
54 M	1,2-Dibromoethane	0.350	0.340	2.9	94	0.00
55 M	2-Chloroethyl vinyl ether	0.140	0.136	2.9	107	0.00
56 M	Bromoform	0.217	0.176	18.9	82	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
58 M	4-Methyl-2-Pentanone	0.589	0.592	-0.5	90	0.00
59 M	2-Hexanone	0.408	0.397	2.7	87	0.00
60 S	4-Bromofluorobenzene	0.495	0.479	3.2	93	0.00
61 M	Tetrachloroethene	0.344	0.379	-10.2	98	0.00
62 M	Toluene	1.834	1.902	-3.7	94	0.00
63 S	Toluene-d8	1.515	1.552	-2.4	91	0.00
64 M	Chlorobenzene	0.997	1.041	-4.4	97	0.00
65	1,1,1,2-Tetrachloroethane	0.379	0.373	1.6	91	0.00
66 M	Ethyl Benzene	1.962	2.008	-2.3	95	0.00
67 M	m/p-Xylenes	0.681	0.695	-2.1	95	0.00
68 M	o-Xylene	0.673	0.674	-0.1	91	0.00
69 M	Styrene	1.074	1.065	0.8	96	0.00
70	Isopropylbenzene	1.799	1.827	-1.6	95	0.00
71 M	1,1,2,2-Tetrachloroethane	0.520	0.545	-4.8	98	0.00
72	1,2,3-Trichloropropane	0.472	0.475	-0.6	95	0.00
73	Bromobenzene	0.364	0.365	-0.3	97	0.00
74	n-propylbenzene	2.052	2.005	2.3	95	0.00
75	2-Chlorotoluene	1.208	1.207	0.1	94	0.00
76	1,3,5-Trimethylbenzene	1.477	1.510	-2.2	96	0.00
77	t-1,4-Dichloro-2-butene	0.169	0.139	17.8	79	0.00
78	4-Chlorotoluene	1.142	1.112	2.6	98	0.00
79	tert-butylbenzene	1.257	1.280	-1.8	95	0.00
80	1,2,4-Trimethylbenzene	1.377	1.417	-2.9	97	0.00
81	sec-Butylbenzene	1.656	1.640	1.0	94	0.00
82	p-Isopropyltoluene	1.392	1.332	4.3	95	0.00
83 M	1,3-Dichlorobenzene	0.567	0.530	6.5	95	0.00
84 M	1,4-Dichlorobenzene	0.552	0.519	6.0	99	0.00
85	n-Butylbenzene	1.214	1.092	10.0	95	0.00
86 T	Hexachloroethane	0.281	0.242	13.9	82	0.00
87 M	1,2-Dichlorobenzene	0.557	0.552	0.9	97	0.00
88	1,2-Dibromo-3-Chloropropane	0.087	0.077	11.5	91	0.00
89	1,2,4-Trichlorobenzene	0.209	0.149	28.7	105	0.00
90	Hexachlorobutadiene	0.160	0.168	-5.0	93	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.675	0.484	28.3	93	0.00
92	1,2,3-Trichlorobenzene	0.209	0.151	27.8	95	0.00

(#) = Out of Range

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