

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092118\
 Data File : VN051359.D
 Acq On : 21 Sep 2018 10:12
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 22 07:01:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 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	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	96	0.00
2 M	Dichlorodifluoromethane	1.863	1.359	27.1	66	0.00
3 M	Chloromethane	2.200	1.589	27.8	66	0.00
4 M	Vinyl Chloride	2.174	1.746	19.7	75	0.00
5 M	Bromomethane	1.325	0.919	30.6#	70	0.00
6 M	Chloroethane	1.282	1.072	16.4	80	0.00
7 M	Trichlorofluoromethane	2.882	2.513	12.8	83	0.00
8 T	Diethyl Ether	1.016	0.755	25.7	74	0.00
9	1,1,2-Trichlorotrifluoroeth	1.785	1.552	13.1	83	0.00
10 M	1,1-Dichloroethene	1.621	1.302	19.7	78	0.00
11	Methyl Iodide	1.512	1.513	-0.1	114	0.00
12	Methyl Acetate	1.874	1.005	46.4#	52	0.00
13 M	Acrolein	0.042	0.047#	-11.9	133	0.00
14 M	Acrylonitrile	0.634	0.398	37.2#	62	0.00
15 M	Acetone	0.162	0.105	35.2#	67	0.00
16 M	Carbon Disulfide	4.874	3.778	22.5	75	0.00
17	Allyl chloride	2.551	1.825	28.5	72	0.00
18 M	Methylene Chloride	1.903	1.569	17.6	79	0.00
19 M	trans-1,2-Dichloroethene	1.727	1.397	19.1	79	0.00
20 T	Diisopropyl ether	5.294	3.926	25.8	70	0.00
21 M	1,1-Dichloroethane	3.246	2.604	19.8	77	0.00
22 M	cis-1,2-Dichloroethene	1.951	1.581	19.0	79	0.00
23 M	tert-Butyl Alcohol	0.135	0.071	47.4#	53	-0.02
24 M	Methyl tert-Butyl Ether	4.434	3.228	27.2	72	0.00
25 M	Chloroform	3.240	2.754	15.0	81	0.00
26	Cyclohexane	2.689	2.052	23.7	76	0.00
27 s	1,2-Dichloroethane-d4	1.914	1.750	8.6	88	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
29	1,1-Dichloropropene	0.449	0.380	15.4	80	0.00
30 M	2-Butanone	0.138	0.084	39.1#	62	0.00
31	2,2-Dichloropropane	0.437	0.419	4.1	94	0.00
32 M	1,1,1-Trichloroethane	0.509	0.462	9.2	85	0.00
33 M	Carbon Tetrachloride	0.459	0.420	8.5	86	0.00
34 M	Benzene	1.389	1.158	16.6	78	0.00
35	Methacrylonitrile	0.151	0.118	21.9	69	0.02
36 M	1,2-Dichloroethane	0.420	0.350	16.7	77	0.00
37 M	Trichloroethene	0.363	0.328	9.6	86	0.00
38	Methylcyclohexane	0.482	0.434	10.0	90	0.00
39 M	1,2-Dichloropropane	0.363	0.301	17.1	77	0.00
40	Dibromomethane	0.219	0.181	17.4	78	0.00
41 M	Bromodichloromethane	0.461	0.394	14.5	81	0.00
42 M	Vinyl Acetate	0.636	0.450	29.2	68	0.00
43	Ethyl Acetate	0.283	0.164	42.0#	53	0.00
44	Isopropyl Acetate	0.499	0.346	30.7#	66	0.00
45 T	1,4-Dioxane	0.004	0.002#	50.0#	59	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.250	0.153	38.8#	61	0.00
47	n-amyl Acetate	0.402	0.259	35.6#	66	0.00
48 M	t-1,3-Dichloropropene	0.452	0.366	19.0	80	0.00
49 T	cis-1,3-Dichloropropene	0.519	0.439	15.4	82	0.00
50 M	1,1,2-Trichloroethane	0.318	0.278	12.6	81	0.00
51	Ethyl methacrylate	0.389	0.273	29.8	72	0.00
52	1,3-Dichloropropane	0.526	0.422	19.8	75	0.00
53 M	Dibromochloromethane	0.361	0.313	13.3	83	0.00
54 M	1,2-Dibromoethane	0.314	0.252	19.7	77	0.00
55 M	2-Chloroethyl vinyl ether	0.162	0.131	19.1	82	0.00
56 M	Bromoform	0.257	0.213	17.1	81	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
58 M	4-Methyl-2-Pentanone	0.343	0.202	41.1#	57	0.00
59 M	2-Hexanone	0.224	0.133	40.6#	60	0.00
60 S	4-Bromofluorobenzene	0.446	0.447	-0.2	96	0.00
61 M	Tetrachloroethene	0.374	0.349	6.7	87	0.00
62 M	Toluene	1.674	1.458	12.9	81	0.00
63 S	Toluene-d8	1.399	1.397	0.1	93	0.00
64 M	Chlorobenzene	1.037	0.940	9.4	86	0.00
65	1,1,1,2-Tetrachloroethane	0.392	0.355	9.4	86	0.00
66 M	Ethyl Benzene	1.734	1.454	16.1	81	0.00
67 M	m/p-Xylenes	0.667	0.608	8.8	86	0.00
68 M	o-Xylene	0.637	0.581	8.8	87	0.00
69 M	Styrene	1.013	0.889	12.2	84	0.00
70	Isopropylbenzene	1.694	1.539	9.1	85	0.00
71 M	1,1,2,2-Tetrachloroethane	0.459	0.353	23.1	72	0.00
72	1,2,3-Trichloropropane	0.396	0.271	31.6#	64	0.00
73	Bromobenzene	0.446	0.402	9.9	86	0.00
74	n-propylbenzene	1.915	1.714	10.5	85	0.00
75	2-Chlorotoluene	1.163	1.046	10.1	85	0.00
76	1,3,5-Trimethylbenzene	1.384	1.303	5.9	88	0.00
77	t-1,4-Dichloro-2-butene	0.113	0.088	22.1	81	0.00
78	4-Chlorotoluene	1.145	1.018	11.1	84	0.00
79	tert-butylbenzene	1.202	1.168	2.8	92	0.00
80	1,2,4-Trimethylbenzene	1.380	1.303	5.6	87	0.00
81	sec-Butylbenzene	1.573	1.567	0.4	95	0.00
82	p-Isopropyltoluene	1.357	1.365	-0.6	96	0.00
83 M	1,3-Dichlorobenzene	0.753	0.701	6.9	89	0.00
84 M	1,4-Dichlorobenzene	0.714	0.646	9.5	87	0.00
85	n-Butylbenzene	1.036	0.966	6.8	95	0.00
86 T	Hexachloroethane	0.261	0.268	-2.7	100	0.00
87 M	1,2-Dichlorobenzene	0.742	0.676	8.9	85	0.00
88	1,2-Dibromo-3-Chloropropane	0.064	0.043#	32.8#	62	0.00
89	1,2,4-Trichlorobenzene	0.330	0.279	15.5	95	0.00
90	Hexachlorobutadiene	0.224	0.278	-24.1	119	0.00

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91 M	Naphthalene	0.708	0.411	41.9#	71	0.00
92	1,2,3-Trichlorobenzene	0.331	0.289	12.7	92	0.00

(#) = Out of Range

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