

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102522\
 Data File : VN075013.D
 Acq On : 25 Oct 2022 17:59
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 27 10:28:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102522W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 27 10:19:47 2022
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	30.000	30.000	0.0	103	0.00
2 M	Dichlorodifluoromethane	20.000	21.355	-6.8	104	0.00
3 M	Chloromethane	20.000	21.146	-5.7	92	0.00
4 M	Vinyl Chloride	20.000	17.949	10.3	86	0.00
5 M	Bromomethane	20.000	19.774	1.1	92	0.00
6 M	Chloroethane	20.000	19.685	1.6	92	0.00
7 M	Trichlorofluoromethane	20.000	20.012	-0.1	97	-0.01
8 T	Diethyl Ether	20.000	21.671	-8.4	106	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	19.780	1.1	96	0.00
10 M	1,1-Dichloroethene	20.000	18.574	7.1	96	0.00
11	Methyl Iodide	20.000	20.332	-1.7	100	0.00
12	Methyl Acetate	20.000	23.309	-16.5	116	0.00
13 M	Acrolein	100.000	94.253	5.7	88	0.00
14 M	Acrylonitrile	100.000	106.365	-6.4	106	0.00
15 M	Acetone	100.000	114.665	-14.7	114	0.00
16 M	Carbon Disulfide	20.000	17.929	10.4	91	0.00
17	Allyl chloride	20.000	18.777	6.1	91	0.00
18 M	Methylene Chloride	20.000	21.292	-6.5	106	0.00
19 M	trans-1,2-Dichloroethene	20.000	18.814	5.9	96	0.00
20 T	Diisopropyl ether	20.000	21.196	-6.0	106	0.00
21 M	1,1-Dichloroethane	20.000	19.753	1.2	99	0.00
22 M	cis-1,2-Dichloroethene	20.000	20.332	-1.7	102	0.00
23 M	tert-Butyl Alcohol	100.000	97.015	3.0	101	0.02
24 M	Methyl tert-Butyl Ether	20.000	22.380	-11.9	114	0.00
25 M	Chloroform	20.000	19.932	0.3	103	0.00
26	Cyclohexane	20.000	18.479	7.6	96	0.00
27 s	1,2-Dichloroethane-d4	30.000	32.253	-7.5	106	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	99	0.00
29	1,1-Dichloropropene	20.000	18.650	6.8	94	0.00
30 M	2-Butanone	100.000	105.996	-6.0	102	0.00
31	2,2-Dichloropropane	20.000	18.204	9.0	91	0.00
32 M	1,1,1-Trichloroethane	20.000	18.841	5.8	93	0.00
33 M	Carbon Tetrachloride	20.000	18.034	9.8	92	0.01
34 M	Benzene	20.000	19.751	1.2	98	0.00
35	Methacrylonitrile	20.000	22.298	-11.5	113	0.00
36 M	1,2-Dichloroethane	20.000	21.566	-7.8	106	0.00
37 M	Trichloroethene	20.000	19.522	2.4	99	0.00
38	Methylcyclohexane	20.000	18.734	6.3	96	0.00
39 M	1,2-Dichloropropane	20.000	20.473	-2.4	100	0.00
40	Dibromomethane	20.000	21.274	-6.4	110	0.00
41 M	Bromodichloromethane	20.000	20.700	-3.5	104	0.00
42 M	Vinyl Acetate	100.000	110.066	-10.1	108	0.00
43	Ethyl Acetate	20.000	36.375	-81.9#	183	0.00
44	Isopropyl Acetate	20.000	22.553	-12.8	112	0.00
45 T	1,4-Dioxane	400.000	345.707	13.6	90	0.00
46	Methyl methacrylate	20.000	21.281	-6.4	100	0.00
47	n-amyl Acetate	20.000	21.344	-6.7	109	0.00
48 M	t-1,3-Dichloropropene	20.000	20.194	-1.0	107	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	20.028	-0.1	102	0.00
50 M	1,1,2-Trichloroethane	20.000	20.938	-4.7	107	0.00
51	Ethyl methacrylate	20.000	21.206	-6.0	109	0.00
52	1,3-Dichloropropane	20.000	21.660	-8.3	107	0.00
53 M	Dibromochloromethane	20.000	19.389	3.1	105	0.00
54 M	1,2-Dibromoethane	20.000	21.128	-5.6	109	0.00
55 M	2-Chloroethyl vinyl ether	100.000	107.391	-7.4	110	0.00
56 M	Bromoform	20.000	18.554	7.2	108	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	99	0.00
58 M	4-Methyl-2-Pentanone	100.000	111.275	-11.3	106	0.00
59 M	2-Hexanone	100.000	107.894	-7.9	102	0.00
60 S	4-Bromofluorobenzene	30.000	29.966	0.1	105	0.00
61 M	Tetrachloroethene	20.000	19.644	1.8	98	0.00
62 M	Toluene	20.000	19.657	1.7	98	0.00
63 S	Toluene-d8	30.000	29.756	0.8	98	0.00
64 M	Chlorobenzene	20.000	19.773	1.1	101	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.817	0.9	97	0.00
66 M	Ethyl Benzene	20.000	19.401	3.0	97	0.00
67 M	m/p-Xylenes	40.000	38.088	4.8	97	0.00
68 M	o-Xylene	20.000	19.437	2.8	98	0.00
69 M	Styrene	20.000	19.131	4.3	101	0.00
70	Isopropylbenzene	20.000	18.913	5.4	97	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	21.630	-8.1	106	0.00
72	1,2,3-Trichloropropane	20.000	22.251	-11.3	108	0.00
73	Bromobenzene	20.000	19.448	2.8	102	0.00
74	n-propylbenzene	20.000	19.783	1.1	103	0.00
75	2-Chlorotoluene	20.000	19.502	2.5	100	0.00
76	1,3,5-Trimethylbenzene	20.000	19.356	3.2	100	0.00
77	t-1,4-Dichloro-2-butene	20.000	19.445	2.8	102	0.00
78	4-Chlorotoluene	20.000	19.361	3.2	103	0.00
79	tert-butylbenzene	20.000	18.849	5.8	98	0.00
80	1,2,4-Trimethylbenzene	20.000	18.976	5.1	98	0.00
81	sec-Butylbenzene	20.000	18.900	5.5	100	0.00
82	p-Isopropyltoluene	20.000	18.951	5.2	102	0.00
83 M	1,3-Dichlorobenzene	20.000	19.067	4.7	105	0.00
84 M	1,4-Dichlorobenzene	20.000	19.104	4.5	108	0.00
85	n-Butylbenzene	20.000	20.023	-0.1	111	0.00
86 T	Hexachloroethane	20.000	17.753	11.2	92	0.00
87 M	1,2-Dichlorobenzene	20.000	18.942	5.3	102	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	22.157	-10.8	105	0.00
89	1,2,4-Trichlorobenzene	20.000	19.790	1.1	115	0.00
90	Hexachlorobutadiene	20.000	19.352	3.2	106	0.00
91 M	Naphthalene	20.000	20.023	-0.1	114	0.00
92	1,2,3-Trichlorobenzene	20.000	19.624	1.9	111	0.00

(#) = Out of Range

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