

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050523\
 Data File : VN077597.D
 Acq On : 05 May 2023 17:41
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 06 02:34:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 28 16:20:59 2023
 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	82	0.00
2 M	Dichlorodifluoromethane	20.000	23.647	-18.2	96	0.00
3 M	Chloromethane	20.000	25.953	-29.8#	106	0.00
4 M	Vinyl Chloride	20.000	22.735	-13.7	92	0.00
5 M	Bromomethane	20.000	19.389	3.1	84	0.01
6 M	Chloroethane	20.000	21.916	-9.6	93	0.00
7 M	Trichlorofluoromethane	20.000	23.554	-17.8	95	0.00
8 T	Diethyl Ether	20.000	25.012	-25.1#	102	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	22.225	-11.1	89	0.00
10 M	1,1-Dichloroethene	20.000	23.061	-15.3	94	0.00
11	Methyl Iodide	20.000	21.725	-8.6	87	0.00
12	Methyl Acetate	20.000	27.873	-39.4#	109	0.01
13 M	Acrolein	100.000	147.809	-47.8#	116	0.00
14 M	Acrylonitrile	100.000	125.536	-25.5#	102	0.00
15 M	Acetone	100.000	131.144	-31.1#	97	0.00
16 M	Carbon Disulfide	20.000	21.228	-6.1	88	0.00
17	Allyl chloride	20.000	25.045	-25.2#	105	0.00
18 M	Methylene Chloride	20.000	23.381	-16.9	95	0.00
19 M	trans-1,2-Dichloroethene	20.000	22.189	-10.9	90	0.00
20 T	Diisopropyl ether	20.000	26.593	-33.0#	107	0.00
21 M	1,1-Dichloroethane	20.000	24.227	-21.1	98	0.00
22 M	cis-1,2-Dichloroethene	20.000	22.400	-12.0	91	0.00
23 M	tert-Butyl Alcohol	100.000	108.478	-8.5	89	0.00
24 M	Methyl tert-Butyl Ether	20.000	23.689	-18.4	98	0.00
25 M	Chloroform	20.000	24.027	-20.1	96	0.00
26	Cyclohexane	20.000	23.407	-17.0	94	0.00
27 s	1,2-Dichloroethane-d4	30.000	32.173	-7.2	87	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	79	0.00
29	1,1-Dichloropropene	20.000	23.475	-17.4	92	0.00
30 M	2-Butanone	100.000	134.351	-34.4#	103	0.00
31	2,2-Dichloropropane	20.000	23.121	-15.6	90	0.00
32 M	1,1,1-Trichloroethane	20.000	24.129	-20.6	93	0.00
33 M	Carbon Tetrachloride	20.000	23.116	-15.6	91	0.00
34 M	Benzene	20.000	23.094	-15.5	90	0.00
35	Methacrylonitrile	20.000	28.258	-41.3#	110	0.00
36 M	1,2-Dichloroethane	20.000	24.814	-24.1	95	0.00
37 M	Trichloroethene	20.000	21.959	-9.8	87	0.00
38	Methylcyclohexane	20.000	21.646	-8.2	85	0.00
39 M	1,2-Dichloropropane	20.000	24.698	-23.5	98	0.00
40	Dibromomethane	20.000	24.015	-20.1	96	0.00
41 M	Bromodichloromethane	20.000	23.628	-18.1	93	0.00
42 M	Vinyl Acetate	100.000	120.983	-21.0	105	0.00
43	Ethyl Acetate	20.000	27.440	-37.2#	103	0.00
44	Isopropyl Acetate	20.000	27.148	-35.7#	103	0.00
45 T	1,4-Dioxane	400.000	464.635	-16.2	90	0.00
46	Methyl methacrylate	20.000	27.170	-35.9#	107	0.00
47	n-amyl Acetate	20.000	24.781	-23.9	98	0.00
48 M	t-1,3-Dichloropropene	20.000	22.748	-13.7	89	0.00

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49 T	cis-1,3-Dichloropropene	20.000	23.260	-16.3	90	0.00
50 M	1,1,2-Trichloroethane	20.000	23.460	-17.3	91	0.00
51	Ethyl methacrylate	20.000	23.886	-19.4	93	0.00
52	1,3-Dichloropropane	20.000	23.991	-20.0	93	0.00
53 M	Dibromochloromethane	20.000	23.293	-16.5	89	0.00
54 M	1,2-Dibromoethane	20.000	23.042	-15.2	94	0.00
55 M	2-Chloroethyl vinyl ether	100.000	97.963	2.0	76	0.00
56 M	Bromoform	20.000	21.669	-8.3	85	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	77	0.00
58 M	4-Methyl-2-Pentanone	100.000	139.465	-39.5#	107	0.00
59 M	2-Hexanone	100.000	133.638	-33.6#	101	0.00
60 S	4-Bromofluorobenzene	30.000	30.882	-2.9	78	0.00
61 M	Tetrachloroethene	20.000	23.177	-15.9	88	0.00
62 M	Toluene	20.000	23.738	-18.7	91	0.00
63 S	Toluene-d8	30.000	30.106	-0.4	79	0.00
64 M	Chlorobenzene	20.000	22.863	-14.3	88	0.00
65	1,1,1,2-Tetrachloroethane	20.000	23.506	-17.5	89	0.00
66 M	Ethyl Benzene	20.000	22.883	-14.4	88	0.00
67 M	m/p-Xylenes	40.000	44.757	-11.9	85	0.00
68 M	o-Xylene	20.000	22.438	-12.2	86	0.00
69 M	Styrene	20.000	22.749	-13.7	87	0.00
70	Isopropylbenzene	20.000	22.319	-11.6	84	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	23.818	-19.1	93	0.00
72	1,2,3-Trichloropropane	20.000	24.229	-21.1	94	0.00
73	Bromobenzene	20.000	22.319	-11.6	85	0.00
74	n-propylbenzene	20.000	20.948	-4.7	81	0.00
75	2-Chlorotoluene	20.000	22.189	-10.9	85	0.00
76	1,3,5-Trimethylbenzene	20.000	19.204	4.0	72	0.00
77	t-1,4-Dichloro-2-butene	20.000	21.013	-5.1	78	0.00
78	4-Chlorotoluene	20.000	22.383	-11.9	85	0.00
79	tert-butylbenzene	20.000	19.308	3.5	72	0.00
80	1,2,4-Trimethylbenzene	20.000	17.695	11.5	65	0.00
81	sec-Butylbenzene	20.000	16.531	17.3	62	0.00
82	p-Isopropyltoluene	20.000	16.070	19.6	61	0.00
83 M	1,3-Dichlorobenzene	20.000	21.453	-7.3	81	0.00
84 M	1,4-Dichlorobenzene	20.000	20.196	-1.0	78	0.00
85	n-Butylbenzene	20.000	12.434	37.8#	47	0.00
86 T	Hexachloroethane	20.000	18.273	8.6	70	0.00
87 M	1,2-Dichlorobenzene	20.000	20.563	-2.8	78	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	23.534	-17.7	93	0.00
89	1,2,4-Trichlorobenzene	20.000	8.963	55.2#	38	0.00
90	Hexachlorobutadiene	20.000	7.608	62.0#	30	0.00
91 M	Naphthalene	20.000	7.193	64.0#	32	0.00
92	1,2,3-Trichlorobenzene	20.000	7.950	60.3#	36	0.00

(#) = Out of Range

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