

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042125\
 Data File : VN086354.D
 Acq On : 21 Apr 2025 09:51
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 22 01:47:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 12 01:21:52 2025
 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	107	0.00
2 M	Dichlorodifluoromethane	20.000	22.090	-10.4	122	0.00
3 M	Chloromethane	20.000	21.252	-6.3	122	0.00
4 M	Vinyl Chloride	20.000	21.368	-6.8	120	0.00
5 M	Bromomethane	20.000	21.509	-7.5	123	0.00
6 M	Chloroethane	20.000	21.851	-9.3	125	0.00
7 M	Trichlorofluoromethane	20.000	22.022	-10.1	126	0.00
8 T	Diethyl Ether	20.000	19.835	0.8	113	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	22.108	-10.5	125	0.00
10 M	1,1-Dichloroethene	20.000	20.800	-4.0	118	0.00
11	Methyl Iodide	20.000	20.300	-1.5	115	0.00
12	Methyl Acetate	20.000	21.376	-6.9	124	0.00
13 M	Acrolein	100.000	78.501	21.5	114	0.00
14 M	Acrylonitrile	100.000	93.594	6.4	106	0.00
15 M	Acetone	100.000	109.159	-9.2	122	0.00
16 M	Carbon Disulfide	20.000	20.047	-0.2	112	0.00
17	Allyl chloride	20.000	19.473	2.6	111	0.00
18 M	Methylene Chloride	20.000	20.636	-3.2	120	0.00
19 M	trans-1,2-Dichloroethene	20.000	20.265	-1.3	117	0.00
20 T	Diisopropyl ether	20.000	20.751	-3.8	117	0.00
21 M	1,1-Dichloroethane	20.000	21.163	-5.8	119	0.00
22 M	cis-1,2-Dichloroethene	20.000	21.012	-5.1	119	0.00
23 M	tert-Butyl Alcohol	100.000	94.658	5.3	105	0.00
24 M	Methyl tert-Butyl Ether	20.000	20.798	-4.0	119	0.00
25 M	Chloroform	20.000	21.904	-9.5	124	0.00
26	Cyclohexane	20.000	20.478	-2.4	118	0.00
27 s	1,2-Dichloroethane-d4	30.000	30.929	-3.1	111	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	110	0.00
29	1,1-Dichloropropene	20.000	20.995	-5.0	121	0.00
30 M	2-Butanone	100.000	100.086	-0.1	113	0.00
31	2,2-Dichloropropane	20.000	22.067	-10.3	126	0.00
32 M	1,1,1-Trichloroethane	20.000	21.791	-9.0	126	0.00
33 M	Carbon Tetrachloride	20.000	22.412	-12.1	129	0.00
34 M	Benzene	20.000	21.093	-5.5	121	0.00
35	Methacrylonitrile	20.000	19.622	1.9	114	0.00
36 M	1,2-Dichloroethane	20.000	22.005	-10.0	126	0.00
37 M	Trichloroethene	20.000	21.198	-6.0	121	0.00
38	Methylcyclohexane	20.000	20.474	-2.4	120	0.00
39 M	1,2-Dichloropropane	20.000	20.823	-4.1	120	0.00
40	Dibromomethane	20.000	21.145	-5.7	123	0.00
41 M	Bromodichloromethane	20.000	21.473	-7.4	123	0.00
42 M	Vinyl Acetate	100.000	98.960	1.0	110	0.00
43	Ethyl Acetate	20.000	18.387	8.1	103	0.00
44	Isopropyl Acetate	20.000	19.103	4.5	111	0.00
45 T	1,4-Dioxane	400.000	413.952	-3.5	118	0.00
46	Methyl methacrylate	20.000	20.077	-0.4	115	0.00
47	n-amyl Acetate	20.000	21.066	-5.3	124	0.00
48 M	t-1,3-Dichloropropene	20.000	20.813	-4.1	121	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	21.118	-5.6	121	0.00
50 M	1,1,2-Trichloroethane	20.000	21.012	-5.1	120	0.00
51	Ethyl methacrylate	20.000	20.813	-4.1	120	0.00
52	1,3-Dichloropropane	20.000	21.263	-6.3	124	0.00
53 M	Dibromochloromethane	20.000	21.617	-8.1	124	0.00
54 M	1,2-Dibromoethane	20.000	21.774	-8.9	126	0.00
55 M	2-Chloroethyl vinyl ether	100.000	128.296	-28.3#	118	0.00
56 M	Bromoform	20.000	22.430	-12.1	129	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	113	0.00
58 M	4-Methyl-2-Pentanone	100.000	96.608	3.4	111	0.00
59 M	2-Hexanone	100.000	95.959	4.0	111	0.00
60 S	4-Bromofluorobenzene	30.000	29.756	0.8	113	0.00
61 M	Tetrachloroethene	20.000	21.343	-6.7	126	0.00
62 M	Toluene	20.000	21.606	-8.0	127	0.00
63 S	Toluene-d8	30.000	29.332	2.2	109	0.00
64 M	Chlorobenzene	20.000	21.516	-7.6	127	0.00
65	1,1,1,2-Tetrachloroethane	20.000	21.989	-9.9	129	0.00
66 M	Ethyl Benzene	20.000	21.490	-7.4	127	0.00
67 M	m/p-Xylenes	40.000	43.520	-8.8	130	0.00
68 M	o-Xylene	20.000	22.014	-10.1	131	0.00
69 M	Styrene	20.000	21.989	-9.9	133	0.00
70	Isopropylbenzene	20.000	22.185	-10.9	132	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	21.861	-9.3	127	0.00
72	1,2,3-Trichloropropane	20.000	20.539	-2.7	122	0.00
73	Bromobenzene	20.000	22.787	-13.9	135	0.00
74	n-propylbenzene	20.000	22.431	-12.2	135	0.00
75	2-Chlorotoluene	20.000	21.951	-9.8	131	0.00
76	1,3,5-Trimethylbenzene	20.000	22.327	-11.6	133	0.00
77	t-1,4-Dichloro-2-butene	20.000	19.860	0.7	118	0.00
78	4-Chlorotoluene	20.000	21.957	-9.8	134	0.00
79	tert-butylbenzene	20.000	21.678	-8.4	130	0.00
80	1,2,4-Trimethylbenzene	20.000	22.210	-11.1	132	0.00
81	sec-Butylbenzene	20.000	22.680	-13.4	134	0.00
82	p-Isopropyltoluene	20.000	22.502	-12.5	134	0.00
83 M	1,3-Dichlorobenzene	20.000	22.902	-14.5	139	0.00
84 M	1,4-Dichlorobenzene	20.000	22.239	-11.2	135	0.00
85	n-Butylbenzene	20.000	22.293	-11.5	133	0.00
86 T	Hexachloroethane	20.000	21.841	-9.2	131	0.00
87 M	1,2-Dichlorobenzene	20.000	22.286	-11.4	133	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	19.499	2.5	112	0.00
89	1,2,4-Trichlorobenzene	20.000	20.277	-1.4	114	0.00
90	Hexachlorobutadiene	20.000	20.010	-0.1	117	0.00
91 M	Naphthalene	20.000	19.082	4.6	110	0.00
92	1,2,3-Trichlorobenzene	20.000	20.277	-1.4	114	0.00

(#) = Out of Range

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