

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041425\
 Data File : VN086275.D
 Acq On : 14 Apr 2025 17:38
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 15 03:14:47 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	110	0.00
2 M	Dichlorodifluoromethane	20.000	19.720	1.4	112	0.00
3 M	Chloromethane	20.000	15.454	22.7	91	0.00
4 M	Vinyl Chloride	20.000	19.081	4.6	111	0.00
5 M	Bromomethane	20.000	14.927	25.4#	88	0.00
6 M	Chloroethane	20.000	19.118	4.4	113	0.00
7 M	Trichlorofluoromethane	20.000	19.719	1.4	116	0.00
8 T	Diethyl Ether	20.000	18.819	5.9	111	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	19.498	2.5	114	0.00
10 M	1,1-Dichloroethene	20.000	18.946	5.3	111	0.00
11	Methyl Iodide	20.000	13.774	31.1#	81	0.00
12	Methyl Acetate	20.000	19.455	2.7	116	0.00
13 M	Acrolein	100.000	107.038	-7.0	160	0.00
14 M	Acrylonitrile	100.000	90.919	9.1	106	0.00
15 M	Acetone	100.000	91.054	8.9	105	0.00
16 M	Carbon Disulfide	20.000	19.160	4.2	110	0.00
17	Allyl chloride	20.000	18.176	9.1	107	0.00
18 M	Methylene Chloride	20.000	19.031	4.8	114	0.00
19 M	trans-1,2-Dichloroethene	20.000	18.500	7.5	110	0.00
20 T	Diisopropyl ether	20.000	18.941	5.3	110	0.00
21 M	1,1-Dichloroethane	20.000	19.546	2.3	113	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.291	3.5	113	0.00
23 M	tert-Butyl Alcohol	100.000	87.613	12.4	100	0.00
24 M	Methyl tert-Butyl Ether	20.000	19.196	4.0	113	0.00
25 M	Chloroform	20.000	20.082	-0.4	118	0.00
26	Cyclohexane	20.000	18.832	5.8	112	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.042	3.2	107	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	109	0.00
29	1,1-Dichloropropene	20.000	19.603	2.0	112	0.00
30 M	2-Butanone	100.000	93.421	6.6	105	0.00
31	2,2-Dichloropropane	20.000	19.565	2.2	110	0.00
32 M	1,1,1-Trichloroethane	20.000	20.438	-2.2	118	0.00
33 M	Carbon Tetrachloride	20.000	20.484	-2.4	117	0.00
34 M	Benzene	20.000	20.095	-0.5	115	0.00
35	Methacrylonitrile	20.000	18.579	7.1	107	0.00
36 M	1,2-Dichloroethane	20.000	20.471	-2.4	117	0.00
37 M	Trichloroethene	20.000	19.323	3.4	110	0.00
38	Methylcyclohexane	20.000	18.713	6.4	109	0.00
39 M	1,2-Dichloropropane	20.000	19.945	0.3	114	0.00
40	Dibromomethane	20.000	20.209	-1.0	116	0.00
41 M	Bromodichloromethane	20.000	19.878	0.6	113	0.00
42 M	Vinyl Acetate	100.000	99.073	0.9	109	0.00
43	Ethyl Acetate	20.000	18.850	5.7	105	0.00
44	Isopropyl Acetate	20.000	17.985	10.1	104	0.00
45 T	1,4-Dioxane	400.000	393.391	1.7	111	0.00
46	Methyl methacrylate	20.000	19.093	4.5	108	0.00
47	n-amyl Acetate	20.000	20.388	-1.9	119	0.00
48 M	t-1,3-Dichloropropene	20.000	19.757	1.2	113	0.00

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
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 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)
49 T	cis-1,3-Dichloropropene	20.000	19.949	0.3	113	0.00
50 M	1,1,2-Trichloroethane	20.000	20.296	-1.5	114	0.00
51	Ethyl methacrylate	20.000	19.856	0.7	114	0.00
52	1,3-Dichloropropane	20.000	20.349	-1.7	117	0.00
53 M	Dibromochloromethane	20.000	20.395	-2.0	116	0.00
54 M	1,2-Dibromoethane	20.000	20.292	-1.5	116	0.00
55 M	2-Chloroethyl vinyl ether	100.000	121.759	-21.8	111	0.00
56 M	Bromoform	20.000	20.387	-1.9	116	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	110	0.00
58 M	4-Methyl-2-Pentanone	100.000	95.263	4.7	107	0.00
59 M	2-Hexanone	100.000	93.436	6.6	105	0.00
60 S	4-Bromofluorobenzene	30.000	29.749	0.8	110	0.00
61 M	Tetrachloroethene	20.000	18.990	5.1	110	0.00
62 M	Toluene	20.000	20.417	-2.1	117	0.00
63 S	Toluene-d8	30.000	29.473	1.8	107	0.00
64 M	Chlorobenzene	20.000	20.275	-1.4	117	0.00
65	1,1,1,2-Tetrachloroethane	20.000	21.130	-5.6	121	0.00
66 M	Ethyl Benzene	20.000	20.355	-1.8	117	0.00
67 M	m/p-Xylenes	40.000	41.038	-2.6	119	0.00
68 M	o-Xylene	20.000	20.857	-4.3	121	0.00
69 M	Styrene	20.000	20.622	-3.1	121	0.00
70	Isopropylbenzene	20.000	20.724	-3.6	120	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	22.341	-11.7	127	0.00
72	1,2,3-Trichloropropane	20.000	19.824	0.9	115	0.00
73	Bromobenzene	20.000	21.312	-6.6	123	0.00
74	n-propylbenzene	20.000	20.600	-3.0	121	0.00
75	2-Chlorotoluene	20.000	20.596	-3.0	120	0.00
76	1,3,5-Trimethylbenzene	20.000	20.499	-2.5	119	0.00
77	t-1,4-Dichloro-2-butene	20.000	17.960	10.2	104	0.00
78	4-Chlorotoluene	20.000	20.470	-2.3	122	0.00
79	tert-butylbenzene	20.000	20.335	-1.7	119	0.00
80	1,2,4-Trimethylbenzene	20.000	20.317	-1.6	118	0.00
81	sec-Butylbenzene	20.000	20.065	-0.3	116	0.00
82	p-Isopropyltoluene	20.000	19.965	0.2	116	0.00
83 M	1,3-Dichlorobenzene	20.000	20.906	-4.5	124	0.00
84 M	1,4-Dichlorobenzene	20.000	20.523	-2.6	121	0.00
85	n-Butylbenzene	20.000	19.024	4.9	111	0.00
86 T	Hexachloroethane	20.000	19.901	0.5	116	0.00
87 M	1,2-Dichlorobenzene	20.000	20.772	-3.9	121	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	19.231	3.8	108	0.00
89	1,2,4-Trichlorobenzene	20.000	19.099	4.5	105	0.00
90	Hexachlorobutadiene	20.000	18.562	7.2	106	0.00
91 M	Naphthalene	20.000	18.052	9.7	101	0.00
92	1,2,3-Trichlorobenzene	20.000	19.099	4.5	105	0.00

(#) = Out of Range

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