

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102523\
 Data File : VN079688.D
 Acq On : 25 Oct 2023 17:49
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 26 01:39:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 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	113	0.00
2 M	Dichlorodifluoromethane	20.000	16.343	18.3	90	0.00
3 M	Chloromethane	20.000	15.778	21.1	87	0.00
4 M	Vinyl Chloride	20.000	16.237	18.8	90	0.00
5 M	Bromomethane	20.000	14.754	26.2#	83	0.00
6 M	Chloroethane	20.000	17.998	10.0	100	0.00
7 M	Trichlorofluoromethane	20.000	20.806	-4.0	116	0.00
8 T	Diethyl Ether	20.000	18.428	7.9	102	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	20.998	-5.0	118	-0.01
10 M	1,1-Dichloroethene	20.000	18.880	5.6	104	0.00
11	Methyl Iodide	20.000	19.516	2.4	110	0.00
12	Methyl Acetate	20.000	20.301	-1.5	113	0.00
13 M	Acrolein	100.000	95.719	4.3	107	0.00
14 M	Acrylonitrile	100.000	104.471	-4.5	116	0.00
15 M	Acetone	100.000	94.075	5.9	103	0.00
16 M	Carbon Disulfide	20.000	18.011	9.9	101	0.00
17	Allyl chloride	20.000	18.531	7.3	99	0.00
18 M	Methylene Chloride	20.000	20.709	-3.5	114	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.973	0.1	113	0.00
20 T	Diisopropyl ether	20.000	21.109	-5.5	113	0.00
21 M	1,1-Dichloroethane	20.000	20.973	-4.9	115	0.00
22 M	cis-1,2-Dichloroethene	20.000	20.197	-1.0	112	0.00
23 M	tert-Butyl Alcohol	100.000	88.571	11.4	99	0.00
24 M	Methyl tert-Butyl Ether	20.000	19.887	0.6	109	0.00
25 M	Chloroform	20.000	21.632	-8.2	119	0.00
26	Cyclohexane	20.000	20.184	-0.9	110	0.00
27 s	1,2-Dichloroethane-d4	30.000	31.819	-6.1	116	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	102	0.00
29	1,1-Dichloropropene	20.000	21.676	-8.4	113	0.00
30 M	2-Butanone	100.000	105.074	-5.1	108	0.00
31	2,2-Dichloropropane	20.000	20.649	-3.2	109	0.00
32 M	1,1,1-Trichloroethane	20.000	22.374	-11.9	117	0.00
33 M	Carbon Tetrachloride	20.000	22.539	-12.7	117	0.00
34 M	Benzene	20.000	21.919	-9.6	115	0.00
35	Methacrylonitrile	20.000	21.469	-7.3	110	0.00
36 M	1,2-Dichloroethane	20.000	22.828	-14.1	119	0.00
37 M	Trichloroethene	20.000	20.942	-4.7	113	0.00
38	Methylcyclohexane	20.000	21.077	-5.4	111	0.00
39 M	1,2-Dichloropropane	20.000	21.919	-9.6	115	0.00
40	Dibromomethane	20.000	22.421	-12.1	119	0.00
41 M	Bromodichloromethane	20.000	22.657	-13.3	119	0.00
42 M	Vinyl Acetate	100.000	102.910	-2.9	106	0.00
43	Ethyl Acetate	20.000	22.269	-11.3	118	0.00
44	Isopropyl Acetate	20.000	19.777	1.1	108	0.00
45 T	1,4-Dioxane	400.000	403.461	-0.9	102	0.00
46	Methyl methacrylate	20.000	21.314	-6.6	109	0.00
47	n-amyl Acetate	20.000	19.177	4.1	98	0.00
48 M	t-1,3-Dichloropropene	20.000	20.586	-2.9	106	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	21.537	-7.7	112	0.00
50 M	1,1,2-Trichloroethane	20.000	22.193	-11.0	117	0.00
51	Ethyl methacrylate	20.000	20.769	-3.8	105	0.00
52	1,3-Dichloropropane	20.000	22.038	-10.2	116	0.00
53 M	Dibromochloromethane	20.000	22.715	-13.6	117	0.00
54 M	1,2-Dibromoethane	20.000	21.550	-7.8	113	0.00
55 M	2-Chloroethyl vinyl ether	100.000	95.986	4.0	105	0.00
56 M	Bromoform	20.000	21.956	-9.8	114	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	105	0.00
58 M	4-Methyl-2-Pentanone	100.000	110.613	-10.6	114	0.00
59 M	2-Hexanone	100.000	105.369	-5.4	109	0.00
60 S	4-Bromofluorobenzene	30.000	32.202	-7.3	110	0.00
61 M	Tetrachloroethene	20.000	22.156	-10.8	115	0.00
62 M	Toluene	20.000	21.179	-5.9	112	0.00
63 S	Toluene-d8	30.000	30.868	-2.9	106	0.00
64 M	Chlorobenzene	20.000	21.154	-5.8	113	0.00
65	1,1,1,2-Tetrachloroethane	20.000	22.136	-10.7	117	0.00
66 M	Ethyl Benzene	20.000	20.931	-4.7	110	0.00
67 M	m/p-Xylenes	40.000	43.245	-8.1	112	0.00
68 M	o-Xylene	20.000	21.189	-5.9	112	0.00
69 M	Styrene	20.000	21.947	-9.7	113	0.00
70	Isopropylbenzene	20.000	20.971	-4.9	109	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	21.905	-9.5	115	0.00
72	1,2,3-Trichloropropane	20.000	21.698	-8.5	115	0.00
73	Bromobenzene	20.000	20.828	-4.1	107	0.00
74	n-propylbenzene	20.000	22.063	-10.3	115	0.00
75	2-Chlorotoluene	20.000	21.896	-9.5	114	0.00
76	1,3,5-Trimethylbenzene	20.000	22.990	-14.9	119	0.00
77	t-1,4-Dichloro-2-butene	20.000	20.248	-1.2	104	0.00
78	4-Chlorotoluene	20.000	21.952	-9.8	113	0.00
79	tert-butylbenzene	20.000	22.179	-10.9	117	0.00
80	1,2,4-Trimethylbenzene	20.000	22.314	-11.6	116	0.00
81	sec-Butylbenzene	20.000	22.540	-12.7	118	0.00
82	p-Isopropyltoluene	20.000	22.632	-13.2	118	0.00
83 M	1,3-Dichlorobenzene	20.000	22.042	-10.2	114	0.00
84 M	1,4-Dichlorobenzene	20.000	21.021	-5.1	110	0.00
85	n-Butylbenzene	20.000	20.304	-1.5	106	0.00
86 T	Hexachloroethane	20.000	22.151	-10.8	120	0.00
87 M	1,2-Dichlorobenzene	20.000	21.721	-8.6	109	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	20.675	-3.4	103	0.00
89	1,2,4-Trichlorobenzene	20.000	14.573	27.1#	74	0.00
90	Hexachlorobutadiene	20.000	18.394	8.0	96	0.00
91 M	Naphthalene	20.000	11.246	43.8#	59	0.00
92	1,2,3-Trichlorobenzene	20.000	14.573	27.1#	74	0.00

(#) = Out of Range

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