

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042823\
 Data File : VN077495.D
 Acq On : 28 Apr 2023 10:36
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Apr 28 10:53:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 07 13:04:49 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	107	0.00
2 M	Dichlorodifluoromethane	20.000	18.418	7.9	107	0.00
3 M	Chloromethane	20.000	12.239	38.8#	71	0.00
4 M	Vinyl Chloride	20.000	11.284	43.6#	65	0.00
5 M	Bromomethane	20.000	12.039	39.8#	76	0.01
6 M	Chloroethane	20.000	11.935	40.3#	68	0.01
7 M	Trichlorofluoromethane	20.000	20.030	-0.2	118	0.00
8 T	Diethyl Ether	20.000	17.797	11.0	102	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	18.141	9.3	104	0.00
10 M	1,1-Dichloroethene	20.000	17.289	13.6	103	0.00
11	Methyl Iodide	20.000	18.798	6.0	105	0.00
12	Methyl Acetate	20.000	15.662	21.7	90	0.00
13 M	Acrolein	100.000	83.519	16.5	92	0.00
14 M	Acrylonitrile	100.000	75.820	24.2	89	0.00
15 M	Acetone	100.000	65.090	34.9#	65	0.00
16 M	Carbon Disulfide	20.000	14.659	26.7#	87	0.00
17	Allyl chloride	20.000	13.987	30.1#	77	0.00
18 M	Methylene Chloride	20.000	17.325	13.4	103	0.00
19 M	trans-1,2-Dichloroethene	20.000	17.385	13.1	103	0.01
20 T	Diisopropyl ether	20.000	15.258	23.7	90	0.00
21 M	1,1-Dichloroethane	20.000	17.594	12.0	103	0.00
22 M	cis-1,2-Dichloroethene	20.000	17.611	11.9	105	0.00
23 M	tert-Butyl Alcohol	100.000	69.305	30.7#	76	0.00
24 M	Methyl tert-Butyl Ether	20.000	17.514	12.4	101	0.00
25 M	Chloroform	20.000	18.658	6.7	110	0.00
26	Cyclohexane	20.000	15.239	23.8	90	0.00
27 s	1,2-Dichloroethane-d4	30.000	30.209	-0.7	110	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	102	0.00
29	1,1-Dichloropropene	20.000	18.170	9.1	98	0.00
30 M	2-Butanone	100.000	72.112	27.9#	73	0.00
31	2,2-Dichloropropane	20.000	18.156	9.2	99	0.00
32 M	1,1,1-Trichloroethane	20.000	19.961	0.2	107	0.00
33 M	Carbon Tetrachloride	20.000	19.845	0.8	106	0.00
34 M	Benzene	20.000	18.472	7.6	99	0.00
35	Methacrylonitrile	20.000	15.172	24.1	83	0.00
36 M	1,2-Dichloroethane	20.000	20.002	-0.0	106	0.00
37 M	Trichloroethene	20.000	19.408	3.0	107	0.00
38	Methylcyclohexane	20.000	17.461	12.7	95	0.00
39 M	1,2-Dichloropropane	20.000	17.589	12.1	94	0.00
40	Dibromomethane	20.000	19.699	1.5	106	0.00
41 M	Bromodichloromethane	20.000	19.912	0.4	107	0.00
42 M	Vinyl Acetate	100.000	77.822	22.2	84	0.00
43	Ethyl Acetate	20.000	14.923	25.4#	81	0.00
44	Isopropyl Acetate	20.000	15.499	22.5	82	0.00
45 T	1,4-Dioxane	400.000	320.189	20.0	84	0.00
46	Methyl methacrylate	20.000	16.349	18.3	89	0.00
47	n-amyl Acetate	20.000	13.804	31.0#	75	0.00
48 M	t-1,3-Dichloropropene	20.000	17.646	11.8	97	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	17.927	10.4	97	0.00
50 M	1,1,2-Trichloroethane	20.000	19.674	1.6	108	0.00
51	Ethyl methacrylate	20.000	17.346	13.3	94	0.00
52	1,3-Dichloropropane	20.000	18.859	5.7	103	0.00
53 M	Dibromochloromethane	20.000	19.171	4.1	105	0.00
54 M	1,2-Dibromoethane	20.000	19.619	1.9	105	0.00
55 M	2-Chloroethyl vinyl ether	100.000	95.274	4.7	102	0.00
56 M	Bromoform	20.000	17.697	11.5	96	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	101	0.00
58 M	4-Methyl-2-Pentanone	100.000	76.477	23.5	80	0.00
59 M	2-Hexanone	100.000	71.416	28.6#	73	0.00
60 S	4-Bromofluorobenzene	30.000	30.803	-2.7	105	0.00
61 M	Tetrachloroethene	20.000	19.266	3.7	106	0.00
62 M	Toluene	20.000	19.236	3.8	103	0.00
63 S	Toluene-d8	30.000	30.062	-0.2	102	0.00
64 M	Chlorobenzene	20.000	19.127	4.4	103	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.345	3.3	102	0.00
66 M	Ethyl Benzene	20.000	18.816	5.9	102	0.00
67 M	m/p-Xylenes	40.000	37.513	6.2	102	0.00
68 M	o-Xylene	20.000	18.415	7.9	99	0.00
69 M	Styrene	20.000	18.123	9.4	99	0.00
70	Isopropylbenzene	20.000	18.782	6.1	101	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	18.298	8.5	98	0.00
72	1,2,3-Trichloropropane	20.000	32.960	-64.8#	166	0.00
73	Bromobenzene	20.000	19.967	0.2	107	0.00
74	n-propylbenzene	20.000	18.813	5.9	103	0.00
75	2-Chlorotoluene	20.000	19.461	2.7	104	0.00
76	1,3,5-Trimethylbenzene	20.000	17.605	12.0	94	0.00
77	t-1,4-Dichloro-2-butene	20.000	14.599	27.0#	79	0.00
78	4-Chlorotoluene	20.000	19.457	2.7	107	0.00
79	tert-butylbenzene	20.000	19.553	2.2	103	0.00
80	1,2,4-Trimethylbenzene	20.000	16.493	17.5	87	0.00
81	sec-Butylbenzene	20.000	18.530	7.3	98	0.00
82	p-Isopropyltoluene	20.000	17.748	11.3	95	0.00
83 M	1,3-Dichlorobenzene	20.000	18.605	7.0	103	0.00
84 M	1,4-Dichlorobenzene	20.000	18.493	7.5	102	0.00
85	n-Butylbenzene	20.000	16.333	18.3	91	0.00
86 T	Hexachloroethane	20.000	17.219	13.9	93	0.00
87 M	1,2-Dichlorobenzene	20.000	19.263	3.7	103	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	16.760	16.2	94	0.00
89	1,2,4-Trichlorobenzene	20.000	10.197	49.0#	62	0.03
90	Hexachlorobutadiene	20.000	20.213	-1.1	112	0.04
91 M	Naphthalene	20.000	9.696	51.5#	57	0.06
92	1,2,3-Trichlorobenzene	20.000	10.015	49.9#	59	0.09

(#) = Out of Range

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