

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091123\
 Data File : VN079208.D
 Acq On : 11 Sep 2023 09:58
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 12 02:42:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 08 05:09:17 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	63	0.00
2 M	Dichlorodifluoromethane	20.000	19.980	0.1	67	0.00
3 M	Chloromethane	20.000	25.376	-26.9#	84	0.00
4 M	Vinyl Chloride	20.000	30.498	-52.5#	102	0.00
5 M	Bromomethane	20.000	19.479	2.6	67	0.00
6 M	Chloroethane	20.000	35.364	-76.8#	119	0.00
7 M	Trichlorofluoromethane	20.000	38.654	-93.3#	130	0.00
8 T	Diethyl Ether	20.000	32.682	-63.4#	104	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	35.576	-77.9#	116	0.01
10 M	1,1-Dichloroethene	20.000	34.303	-71.5#	108	0.00
11	Methyl Iodide	20.000	16.588	17.1	54	0.00
12	Methyl Acetate	20.000	27.587	-37.9#	92	0.00
13 M	Acrolein	100.000	139.848	-39.8#	86	0.00
14 M	Acrylonitrile	100.000	126.269	-26.3#	84	0.00
15 M	Acetone	100.000	190.921	-90.9#	122	-0.01
16 M	Carbon Disulfide	20.000	31.796	-59.0#	104	0.00
17	Allyl chloride	20.000	28.886	-44.4#	89	0.00
18 M	Methylene Chloride	20.000	30.027	-50.1#	100	0.00
19 M	trans-1,2-Dichloroethene	20.000	28.779	-43.9#	92	0.00
20 T	Diisopropyl ether	20.000	23.166	-15.8	62	0.00
21 M	1,1-Dichloroethane	20.000	24.010	-20.1	67	0.00
22 M	cis-1,2-Dichloroethene	20.000	21.958	-9.8	68	0.00
23 M	tert-Butyl Alcohol	100.000	116.863	-16.9	79	0.00
24 M	Methyl tert-Butyl Ether	20.000	26.975	-34.9#	86	0.00
25 M	Chloroform	20.000	22.266	-11.3	72	0.00
26	Cyclohexane	20.000	18.673	6.6	60	0.00
27 s	1,2-Dichloroethane-d4	30.000	32.314	-7.7	70	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	62	0.00
29	1,1-Dichloropropene	20.000	21.221	-6.1	70	0.00
30 M	2-Butanone	100.000	97.028	3.0	60	0.00
31	2,2-Dichloropropane	20.000	24.922	-24.6	77	0.00
32 M	1,1,1-Trichloroethane	20.000	22.863	-14.3	76	0.00
33 M	Carbon Tetrachloride	20.000	23.652	-18.3	79	0.00
34 M	Benzene	20.000	21.271	-6.4	71	0.00
35	Methacrylonitrile	20.000	19.805	1.0	63	0.00
36 M	1,2-Dichloroethane	20.000	22.007	-10.0	76	0.00
37 M	Trichloroethene	20.000	22.671	-13.4	79	0.00
38	Methylcyclohexane	20.000	21.066	-5.3	70	0.00
39 M	1,2-Dichloropropane	20.000	21.737	-8.7	72	0.00
40	Dibromomethane	20.000	22.997	-15.0	77	0.00
41 M	Bromodichloromethane	20.000	23.760	-18.8	79	0.00
42 M	Vinyl Acetate	100.000	108.393	-8.4	60	0.00
43	Ethyl Acetate	20.000	20.336	-1.7	60	0.00
44	Isopropyl Acetate	20.000	18.469	7.7	62	0.00
45 T	1,4-Dioxane	400.000	381.568	4.6	66	0.00
46	Methyl methacrylate	20.000	20.971	-4.9	69	0.00
47	n-amyl Acetate	20.000	19.831	0.8	69	0.00
48 M	t-1,3-Dichloropropene	20.000	21.668	-8.3	73	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	22.829	-14.1	78	0.00
50 M	1,1,2-Trichloroethane	20.000	22.848	-14.2	75	0.00
51	Ethyl methacrylate	20.000	20.221	-1.1	66	0.00
52	1,3-Dichloropropane	20.000	22.335	-11.7	71	0.00
53 M	Dibromochloromethane	20.000	23.574	-17.9	79	0.00
54 M	1,2-Dibromoethane	20.000	21.171	-5.9	69	0.00
55 M	2-Chloroethyl vinyl ether	100.000	123.391	-23.4	83	0.00
56 M	Bromoform	20.000	23.535	-17.7	82	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	65	0.00
58 M	4-Methyl-2-Pentanone	100.000	100.682	-0.7	67	0.00
59 M	2-Hexanone	100.000	102.455	-2.5	66	0.00
60 S	4-Bromofluorobenzene	30.000	31.744	-5.8	66	0.00
61 M	Tetrachloroethene	20.000	23.334	-16.7	76	0.00
62 M	Toluene	20.000	22.754	-13.8	77	0.00
63 S	Toluene-d8	30.000	32.160	-7.2	70	0.00
64 M	Chlorobenzene	20.000	21.666	-8.3	74	0.00
65	1,1,1,2-Tetrachloroethane	20.000	23.218	-16.1	79	0.00
66 M	Ethyl Benzene	20.000	22.101	-10.5	73	0.00
67 M	m/p-Xylenes	40.000	45.404	-13.5	74	0.00
68 M	o-Xylene	20.000	22.576	-12.9	81	0.00
69 M	Styrene	20.000	23.729	-18.6	82	0.00
70	Isopropylbenzene	20.000	22.707	-13.5	75	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	21.369	-6.8	73	0.00
72	1,2,3-Trichloropropane	20.000	19.995	0.0	71	0.00
73	Bromobenzene	20.000	22.945	-14.7	76	0.00
74	n-propylbenzene	20.000	23.779	-18.9	77	0.00
75	2-Chlorotoluene	20.000	22.607	-13.0	74	0.00
76	1,3,5-Trimethylbenzene	20.000	23.577	-17.9	76	0.00
77	t-1,4-Dichloro-2-butene	20.000	20.325	-1.6	67	0.00
78	4-Chlorotoluene	20.000	22.970	-14.8	76	0.00
79	tert-butylbenzene	20.000	22.676	-13.4	71	0.00
80	1,2,4-Trimethylbenzene	20.000	24.227	-21.1	77	0.00
81	sec-Butylbenzene	20.000	23.699	-18.5	76	0.00
82	p-Isopropyltoluene	20.000	24.838	-24.2	78	0.00
83 M	1,3-Dichlorobenzene	20.000	24.077	-20.4	77	0.00
84 M	1,4-Dichlorobenzene	20.000	24.530	-22.7	78	0.00
85	n-Butylbenzene	20.000	23.915	-19.6	75	0.00
86 T	Hexachloroethane	20.000	23.281	-16.4	74	0.00
87 M	1,2-Dichlorobenzene	20.000	24.127	-20.6	76	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	20.351	-1.8	65	0.00
89	1,2,4-Trichlorobenzene	20.000	20.750	-3.8	70	0.00
90	Hexachlorobutadiene	20.000	22.772	-13.9	80	0.00
91 M	Naphthalene	20.000	16.507	17.5	55	0.00
92	1,2,3-Trichlorobenzene	20.000	20.750	-3.8	70	0.00

(#) = Out of Range

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