

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050624\
 Data File : VN082013.D
 Acq On : 06 May 2024 17:20
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 07 01:12:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 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	72	0.00
2 M	Dichlorodifluoromethane	20.000	17.997	10.0	66	0.00
3 M	Chloromethane	20.000	20.511	-2.6	76	0.00
4 M	Vinyl Chloride	20.000	21.053	-5.3	79	0.00
5 M	Bromomethane	20.000	18.166	9.2	66	0.00
6 M	Chloroethane	20.000	29.274	-46.4#	105	0.00
7 M	Trichlorofluoromethane	20.000	19.381	3.1	70	0.00
8 T	Diethyl Ether	20.000	20.517	-2.6	74	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	19.830	0.9	71	0.00
10 M	1,1-Dichloroethene	20.000	18.974	5.1	70	0.00
11	Methyl Iodide	20.000	15.147	24.3	63	-0.01
12	Methyl Acetate	20.000	21.811	-9.1	81	0.00
13 M	Acrolein	100.000	38.555	61.4#	29	0.00
14 M	Acrylonitrile	100.000	104.351	-4.4	76	0.00
15 M	Acetone	100.000	102.215	-2.2	72	0.00
16 M	Carbon Disulfide	20.000	17.999	10.0	68	0.00
17	Allyl chloride	20.000	19.522	2.4	69	0.01
18 M	Methylene Chloride	20.000	20.979	-4.9	79	-0.01
19 M	trans-1,2-Dichloroethene	20.000	19.160	4.2	74	0.00
20 T	Diisopropyl ether	20.000	21.015	-5.1	77	0.00
21 M	1,1-Dichloroethane	20.000	21.670	-8.4	78	0.00
22 M	cis-1,2-Dichloroethene	20.000	20.665	-3.3	77	0.00
23 M	tert-Butyl Alcohol	100.000	90.122	9.9	62	0.02
24 M	Methyl tert-Butyl Ether	20.000	19.728	1.4	70	0.00
25 M	Chloroform	20.000	20.998	-5.0	76	0.00
26	Cyclohexane	20.000	20.070	-0.4	75	0.00
27 s	1,2-Dichloroethane-d4	30.000	31.432	-4.8	77	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	76	0.00
29	1,1-Dichloropropene	20.000	19.888	0.6	77	0.00
30 M	2-Butanone	100.000	95.704	4.3	72	0.00
31	2,2-Dichloropropane	20.000	22.407	-12.0	88	0.00
32 M	1,1,1-Trichloroethane	20.000	18.512	7.4	70	0.00
33 M	Carbon Tetrachloride	20.000	18.774	6.1	71	0.00
34 M	Benzene	20.000	19.885	0.6	75	0.00
35	Methacrylonitrile	20.000	19.267	3.7	75	0.00
36 M	1,2-Dichloroethane	20.000	19.435	2.8	75	0.00
37 M	Trichloroethene	20.000	16.767	16.2	65	0.00
38	Methylcyclohexane	20.000	19.393	3.0	74	0.00
39 M	1,2-Dichloropropane	20.000	21.242	-6.2	84	0.00
40	Dibromomethane	20.000	19.105	4.5	75	0.00
41 M	Bromodichloromethane	20.000	19.843	0.8	78	0.00
42 M	Vinyl Acetate	100.000	97.464	2.5	76	0.00
43	Ethyl Acetate	20.000	19.160	4.2	75	0.00
44	Isopropyl Acetate	20.000	19.127	4.4	73	0.00
45 T	1,4-Dioxane	400.000	358.820	10.3	68	0.00
46	Methyl methacrylate	20.000	19.345	3.3	75	0.00
47	n-amyl Acetate	20.000	19.054	4.7	75	0.00
48 M	t-1,3-Dichloropropene	20.000	18.644	6.8	74	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	20.178	-0.9	78	0.00
50 M	1,1,2-Trichloroethane	20.000	20.411	-2.1	78	0.00
51	Ethyl methacrylate	20.000	19.323	3.4	75	0.00
52	1,3-Dichloropropane	20.000	19.613	1.9	76	0.00
53 M	Dibromochloromethane	20.000	18.299	8.5	73	0.00
54 M	1,2-Dibromoethane	20.000	19.635	1.8	75	0.00
55 M	2-Chloroethyl vinyl ether	100.000	96.051	3.9	73	0.00
56 M	Bromoform	20.000	16.821	15.9	65	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	78	0.00
58 M	4-Methyl-2-Pentanone	100.000	95.379	4.6	73	0.00
59 M	2-Hexanone	100.000	95.087	4.9	73	0.00
60 S	4-Bromofluorobenzene	30.000	28.722	4.3	76	0.00
61 M	Tetrachloroethene	20.000	15.540	22.3	58	0.00
62 M	Toluene	20.000	19.492	2.5	75	0.00
63 S	Toluene-d8	30.000	30.575	-1.9	79	0.00
64 M	Chlorobenzene	20.000	19.329	3.4	74	0.00
65	1,1,1,2-Tetrachloroethane	20.000	18.593	7.0	71	0.00
66 M	Ethyl Benzene	20.000	19.731	1.3	74	0.00
67 M	m/p-Xylenes	40.000	38.449	3.9	74	0.00
68 M	o-Xylene	20.000	18.590	7.1	70	0.00
69 M	Styrene	20.000	19.111	4.4	74	0.00
70	Isopropylbenzene	20.000	18.935	5.3	72	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	21.524	-7.6	81	0.00
72	1,2,3-Trichloropropane	20.000	19.076	4.6	75	0.00
73	Bromobenzene	20.000	18.700	6.5	74	0.00
74	n-propylbenzene	20.000	19.712	1.4	75	0.00
75	2-Chlorotoluene	20.000	19.437	2.8	75	0.00
76	1,3,5-Trimethylbenzene	20.000	19.113	4.4	72	0.00
77	t-1,4-Dichloro-2-butene	20.000	19.031	4.8	75	0.00
78	4-Chlorotoluene	20.000	18.822	5.9	74	0.00
79	tert-butylbenzene	20.000	19.123	4.4	72	0.00
80	1,2,4-Trimethylbenzene	20.000	18.978	5.1	74	0.00
81	sec-Butylbenzene	20.000	19.639	1.8	76	0.00
82	p-Isopropyltoluene	20.000	19.511	2.4	74	0.00
83 M	1,3-Dichlorobenzene	20.000	18.612	6.9	71	0.00
84 M	1,4-Dichlorobenzene	20.000	18.128	9.4	70	0.00
85	n-Butylbenzene	20.000	20.117	-0.6	79	0.00
86 T	Hexachloroethane	20.000	17.054	14.7	65	0.00
87 M	1,2-Dichlorobenzene	20.000	19.006	5.0	73	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	16.583	17.1	61	0.00
89	1,2,4-Trichlorobenzene	20.000	16.943	15.3	67	0.00
90	Hexachlorobutadiene	20.000	15.086	24.6	62	0.00
91 M	Naphthalene	20.000	17.901	10.5	69	0.00
92	1,2,3-Trichlorobenzene	20.000	16.943	15.3	67	0.00

(#) = Out of Range

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