

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082112.D
 Acq On : 13 May 2024 21:32
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 14 11:36:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 14 11:29:16 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	53	0.00
2 M	Dichlorodifluoromethane	20.000	17.311	13.4	47	0.00
3 M	Chloromethane	20.000	21.770	-8.8	60	0.00
4 M	Vinyl Chloride	20.000	22.881	-14.4	63	0.00
5 M	Bromomethane	20.000	19.628	1.9	52	0.05
6 M	Chloroethane	20.000	26.059	-30.3#	69	0.02
7 M	Trichlorofluoromethane	20.000	18.998	5.0	51	0.02
8 T	Diethyl Ether	20.000	21.382	-6.9	57	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	18.187	9.1	48	0.00
10 M	1,1-Dichloroethene	20.000	18.752	6.2	51	0.01
11	Methyl Iodide	20.000	19.348	3.3	59	0.00
12	Methyl Acetate	20.000	25.944	-29.7#	73	0.00
13 M	Acrolein	100.000	95.146	4.9	54	0.01
14 M	Acrylonitrile	100.000	115.215	-15.2	62	0.00
15 M	Acetone	100.000	106.948	-6.9	56	0.00
16 M	Carbon Disulfide	20.000	16.561	17.2	46	0.00
17	Allyl chloride	20.000	20.647	-3.2	53	0.00
18 M	Methylene Chloride	20.000	21.200	-6.0	59	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.626	1.9	56	0.02
20 T	Diisopropyl ether	20.000	23.467	-17.3	64	0.00
21 M	1,1-Dichloroethane	20.000	23.005	-15.0	61	0.00
22 M	cis-1,2-Dichloroethene	20.000	20.949	-4.7	58	0.00
23 M	tert-Butyl Alcohol	100.000	97.102	2.9	50	0.00
24 M	Methyl tert-Butyl Ether	20.000	21.120	-5.6	56	0.00
25 M	Chloroform	20.000	21.921	-9.6	59	0.00
26	Cyclohexane	20.000	18.796	6.0	51	0.00
27 s	1,2-Dichloroethane-d4	30.000	33.118	-10.4	60	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	53	0.00
29	1,1-Dichloropropene	20.000	20.176	-0.9	54	0.00
30 M	2-Butanone	100.000	117.748	-17.7	61	0.00
31	2,2-Dichloropropane	20.000	22.236	-11.2	61	0.00
32 M	1,1,1-Trichloroethane	20.000	20.187	-0.9	53	0.00
33 M	Carbon Tetrachloride	20.000	19.126	4.4	50	0.00
34 M	Benzene	20.000	21.977	-9.9	58	0.00
35	Methacrylonitrile	20.000	23.286	-16.4	63	0.00
36 M	1,2-Dichloroethane	20.000	21.945	-9.7	59	0.00
37 M	Trichloroethene	20.000	17.635	11.8	47	0.00
38	Methylcyclohexane	20.000	16.348	18.3	43	0.00
39 M	1,2-Dichloropropane	20.000	24.016	-20.1	66	0.00
40	Dibromomethane	20.000	22.354	-11.8	61	0.00
41 M	Bromodichloromethane	20.000	21.645	-8.2	59	0.00
42 M	Vinyl Acetate	100.000	111.816	-11.8	60	0.00
43	Ethyl Acetate	20.000	22.900	-14.5	63	0.00
44	Isopropyl Acetate	20.000	23.895	-19.5	64	0.00
45 T	1,4-Dioxane	400.000	416.103	-4.0	55	0.00
46	Methyl methacrylate	20.000	23.748	-18.7	64	0.00
47	n-amyl Acetate	20.000	22.685	-13.4	62	0.00
48 M	t-1,3-Dichloropropene	20.000	20.218	-1.1	55	0.00

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	21.641	-8.2	58	0.00
50 M	1,1,2-Trichloroethane	20.000	23.430	-17.1	62	0.00
51	Ethyl methacrylate	20.000	20.885	-4.4	56	0.00
52	1,3-Dichloropropane	20.000	22.575	-12.9	61	0.00
53 M	Dibromochloromethane	20.000	20.198	-1.0	56	0.00
54 M	1,2-Dibromoethane	20.000	21.642	-8.2	58	0.00
55 M	2-Chloroethyl vinyl ether	100.000	117.473	-17.5	62	0.00
56 M	Bromoform	20.000	18.731	6.3	50	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	54	0.00
58 M	4-Methyl-2-Pentanone	100.000	123.672	-23.7	65	0.00
59 M	2-Hexanone	100.000	122.135	-22.1	64	0.00
60 S	4-Bromofluorobenzene	30.000	28.792	4.0	53	0.00
61 M	Tetrachloroethene	20.000	14.565	27.2#	38	0.00
62 M	Toluene	20.000	20.709	-3.5	55	0.00
63 S	Toluene-d8	30.000	31.544	-5.1	56	0.00
64 M	Chlorobenzene	20.000	20.614	-3.1	54	0.00
65	1,1,1,2-Tetrachloroethane	20.000	20.230	-1.2	53	0.00
66 M	Ethyl Benzene	20.000	19.963	0.2	52	0.00
67 M	m/p-Xylenes	40.000	38.799	3.0	51	0.00
68 M	o-Xylene	20.000	19.868	0.7	51	0.00
69 M	Styrene	20.000	20.765	-3.8	56	0.00
70	Isopropylbenzene	20.000	19.582	2.1	51	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	24.687	-23.4	63	0.00
72	1,2,3-Trichloropropane	20.000	26.227	-31.1#	72	0.00
73	Bromobenzene	20.000	19.310	3.5	53	0.00
74	n-propylbenzene	20.000	20.150	-0.7	53	0.00
75	2-Chlorotoluene	20.000	20.353	-1.8	54	0.00
76	1,3,5-Trimethylbenzene	20.000	19.507	2.5	51	0.00
77	t-1,4-Dichloro-2-butene	20.000	19.621	1.9	53	0.00
78	4-Chlorotoluene	20.000	19.932	0.3	54	0.00
79	tert-butylbenzene	20.000	19.340	3.3	50	0.00
80	1,2,4-Trimethylbenzene	20.000	19.969	0.2	53	0.00
81	sec-Butylbenzene	20.000	18.995	5.0	51	0.00
82	p-Isopropyltoluene	20.000	18.474	7.6	48	0.00
83 M	1,3-Dichlorobenzene	20.000	19.028	4.9	50	0.00
84 M	1,4-Dichlorobenzene	20.000	18.651	6.7	49	0.00
85	n-Butylbenzene	20.000	19.511	2.4	53	0.00
86 T	Hexachloroethane	20.000	17.800	11.0	47	0.00
87 M	1,2-Dichlorobenzene	20.000	18.618	6.9	49	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	19.536	2.3	49	0.00
89	1,2,4-Trichlorobenzene	20.000	18.327	8.4	50	0.00
90	Hexachlorobutadiene	20.000	15.660	21.7	44	0.00
91 M	Naphthalene	20.000	18.396	8.0	49	0.00
92	1,2,3-Trichlorobenzene	20.000	18.327	8.4	50	0.00

(#) = Out of Range

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