

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041724\
 Data File : VN081767.D
 Acq On : 17 Apr 2024 11:28
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 18 01:08:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 11 09:25:01 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	54	0.00
2 M	Dichlorodifluoromethane	20.000	14.592	27.0#	40	0.00
3 M	Chloromethane	20.000	28.762	-43.8#	76	0.00
4 M	Vinyl Chloride	20.000	29.560	-47.8#	86	0.00
5 M	Bromomethane	20.000	22.902	-14.5	59	0.00
6 M	Chloroethane	20.000	25.733	-28.7#	73	0.00
7 M	Trichlorofluoromethane	20.000	22.092	-10.5	48	0.00
8 T	Diethyl Ether	20.000	16.907	15.5	43	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	18.994	5.0	49	0.00
10 M	1,1-Dichloroethene	20.000	17.978	10.1	46	0.00
11	Methyl Iodide	20.000	14.305	28.5#	48	0.00
12	Methyl Acetate	20.000	20.848	-4.2	57	0.00
13 M	Acrolein	100.000	108.445	-8.4	64	0.00
14 M	Acrylonitrile	100.000	96.081	3.9	52	0.00
15 M	Acetone	100.000	102.871	-2.9	55	0.00
16 M	Carbon Disulfide	20.000	18.231	8.8	48	0.00
17	Allyl chloride	20.000	19.168	4.2	51	0.00
18 M	Methylene Chloride	20.000	19.836	0.8	52	-0.01
19 M	trans-1,2-Dichloroethene	20.000	18.729	6.4	49	0.00
20 T	Diisopropyl ether	20.000	20.677	-3.4	53	0.00
21 M	1,1-Dichloroethane	20.000	21.004	-5.0	55	0.00
22 M	cis-1,2-Dichloroethene	20.000	18.671	6.6	49	0.00
23 M	tert-Butyl Alcohol	100.000	96.525	3.5	49	0.00
24 M	Methyl tert-Butyl Ether	20.000	18.760	6.2	49	0.00
25 M	Chloroform	20.000	21.086	-5.4	55	0.00
26	Cyclohexane	20.000	19.490	2.6	53	0.00
27 s	1,2-Dichloroethane-d4	30.000	35.775	-19.2	62	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	51	0.00
29	1,1-Dichloropropene	20.000	19.806	1.0	54	0.00
30 M	2-Butanone	100.000	102.278	-2.3	55	0.00
31	2,2-Dichloropropane	20.000	19.239	3.8	50	0.00
32 M	1,1,1-Trichloroethane	20.000	20.337	-1.7	53	0.00
33 M	Carbon Tetrachloride	20.000	19.763	1.2	53	0.00
34 M	Benzene	20.000	20.097	-0.5	54	0.00
35	Methacrylonitrile	20.000	21.124	-5.6	56	-0.01
36 M	1,2-Dichloroethane	20.000	22.247	-11.2	60	0.00
37 M	Trichloroethene	20.000	18.551	7.2	51	0.00
38	Methylcyclohexane	20.000	17.058	14.7	45	0.00
39 M	1,2-Dichloropropane	20.000	21.570	-7.9	58	0.00
40	Dibromomethane	20.000	21.054	-5.3	55	0.00
41 M	Bromodichloromethane	20.000	21.437	-7.2	57	0.00
42 M	Vinyl Acetate	100.000	99.702	0.3	53	0.00
43	Ethyl Acetate	20.000	20.929	-4.6	59	0.00
44	Isopropyl Acetate	20.000	21.494	-7.5	60	0.00
45 T	1,4-Dioxane	400.000	397.421	0.6	52	0.00
46	Methyl methacrylate	20.000	20.955	-4.8	58	0.00
47	n-amyl Acetate	20.000	21.171	-5.9	60	0.00
48 M	t-1,3-Dichloropropene	20.000	20.539	-2.7	55	0.00

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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)
49 T	cis-1,3-Dichloropropene	20.000	20.026	-0.1	54	0.00
50 M	1,1,2-Trichloroethane	20.000	20.133	-0.7	54	0.00
51	Ethyl methacrylate	20.000	18.733	6.3	51	0.00
52	1,3-Dichloropropane	20.000	21.353	-6.8	56	0.00
53 M	Dibromochloromethane	20.000	20.663	-3.3	55	0.00
54 M	1,2-Dibromoethane	20.000	20.017	-0.1	53	0.00
55 M	2-Chloroethyl vinyl ether	100.000	112.610	-12.6	63	0.00
56 M	Bromoform	20.000	20.298	-1.5	56	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	53	0.00
58 M	4-Methyl-2-Pentanone	100.000	110.820	-10.8	60	0.00
59 M	2-Hexanone	100.000	110.678	-10.7	61	0.00
60 S	4-Bromofluorobenzene	30.000	32.792	-9.3	59	0.00
61 M	Tetrachloroethene	20.000	19.421	2.9	54	0.00
62 M	Toluene	20.000	20.204	-1.0	55	0.00
63 S	Toluene-d8	30.000	32.429	-8.1	57	0.00
64 M	Chlorobenzene	20.000	19.084	4.6	52	0.00
65	1,1,1,2-Tetrachloroethane	20.000	20.314	-1.6	54	0.00
66 M	Ethyl Benzene	20.000	18.995	5.0	51	0.00
67 M	m/p-Xylenes	40.000	40.295	-0.7	54	0.00
68 M	o-Xylene	20.000	19.172	4.1	52	0.00
69 M	Styrene	20.000	19.017	4.9	51	0.00
70	Isopropylbenzene	20.000	19.328	3.4	52	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	21.337	-6.7	57	0.00
72	1,2,3-Trichloropropane	20.000	23.148	-15.7	60	0.00
73	Bromobenzene	20.000	19.305	3.5	52	0.00
74	n-propylbenzene	20.000	19.868	0.7	55	0.00
75	2-Chlorotoluene	20.000	20.175	-0.9	54	0.00
76	1,3,5-Trimethylbenzene	20.000	19.721	1.4	52	0.00
77	t-1,4-Dichloro-2-butene	20.000	20.272	-1.4	56	0.00
78	4-Chlorotoluene	20.000	20.583	-2.9	55	0.00
79	tert-butylbenzene	20.000	19.807	1.0	54	0.00
80	1,2,4-Trimethylbenzene	20.000	20.148	-0.7	54	0.00
81	sec-Butylbenzene	20.000	19.497	2.5	53	0.00
82	p-Isopropyltoluene	20.000	18.561	7.2	50	0.00
83 M	1,3-Dichlorobenzene	20.000	19.867	0.7	54	0.00
84 M	1,4-Dichlorobenzene	20.000	20.332	-1.7	54	0.00
85	n-Butylbenzene	20.000	18.406	8.0	50	0.00
86 T	Hexachloroethane	20.000	20.387	-1.9	56	0.00
87 M	1,2-Dichlorobenzene	20.000	19.759	1.2	52	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	21.175	-5.9	61	0.00
89	1,2,4-Trichlorobenzene	20.000	18.870	5.6	51	0.00
90	Hexachlorobutadiene	20.000	19.769	1.2	54	0.00
91 M	Naphthalene	20.000	17.416	12.9	51	0.00
92	1,2,3-Trichlorobenzene	20.000	18.870	5.6	51	0.00

(#) = Out of Range

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