

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121520\
 Data File : VN065146.D
 Acq On : 15 Dec 2020 16:42
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121520

Quant Time: Dec 16 07:16:17 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Dec 15 15:18:54 2020
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	30.000	30.000	0.0	106	0.00
2 M	Dichlorodifluoromethane	20.000	19.218	3.9	110	0.00
3 M	Chloromethane	20.000	19.342	3.3	108	0.00
4 M	Vinyl Chloride	20.000	18.887	5.6	114	0.00
5 M	Bromomethane	20.000	18.816	5.9	130	0.00
6 M	Chloroethane	20.000	19.259	3.7	129	0.00
7 M	Trichlorofluoromethane	20.000	18.166	9.2	117	0.00
8 T	Diethyl Ether	20.000	19.412	2.9	112	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	19.952	0.2	115	0.00
10 M	1,1-Dichloroethene	20.000	19.172	4.1	111	0.00
11	Methyl Iodide	20.000	18.407	8.0	108	0.00
12	Methyl Acetate	20.000	19.355	3.2	112	0.00
13 M	Acrolein	100.000	97.091	2.9	114	0.00
14 M	Acrylonitrile	100.000	97.474	2.5	111	0.00
15 M	Acetone	100.000	112.524	-12.5	116	0.00
16 M	Carbon Disulfide	20.000	19.206	4.0	110	0.00
17	Allyl chloride	20.000	20.514	-2.6	131	0.00
18 M	Methylene Chloride	20.000	18.880	5.6	106	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.455	2.7	112	0.00
20 T	Diisopropyl ether	20.000	17.690	11.5	112	0.00
21 M	1,1-Dichloroethane	20.000	17.379	13.1	108	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.325	3.4	111	0.00
23 M	tert-Butyl Alcohol	100.000	96.108	3.9	118	0.00
24 M	Methyl tert-Butyl Ether	20.000	19.752	1.2	117	0.00
25 M	Chloroform	20.000	19.055	4.7	110	0.00
26	Cyclohexane	20.000	19.590	2.1	113	0.00
27 s	1,2-Dichloroethane-d4	30.000	30.172	-0.6	112	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	114	0.00
29	1,1-Dichloropropene	20.000	18.269	8.7	114	0.00
30 M	2-Butanone	100.000	95.210	4.8	115	0.00
31	2,2-Dichloropropane	20.000	18.436	7.8	117	0.00
32 M	1,1,1-Trichloroethane	20.000	17.985	10.1	114	0.00
33 M	Carbon Tetrachloride	20.000	18.059	9.7	113	0.00
34 M	Benzene	20.000	18.327	8.4	110	0.00
35	Methacrylonitrile	20.000	16.475	17.6	96	0.00
36 M	1,2-Dichloroethane	20.000	17.741	11.3	112	0.00
37 M	Trichloroethene	20.000	18.576	7.1	114	0.00
38	Methylcyclohexane	20.000	16.994	15.0	116	0.00
39 M	1,2-Dichloropropane	20.000	17.770	11.2	111	0.00
40	Dibromomethane	20.000	16.552	17.2	110	0.00
41 M	Bromodichloromethane	20.000	16.376	18.1	112	0.00
42 M	Vinyl Acetate	100.000	84.662	15.3	116	0.00
43	Ethyl Acetate	20.000	17.993	10.0	106	0.00
44	Isopropyl Acetate	20.000	17.852	10.7	113	0.00
45 T	1,4-Dioxane	400.000	351.628	12.1	114	0.00
46	Methyl methacrylate	20.000	16.982	15.1	119	0.00
47	n-amyl Acetate	20.000	17.896	10.5	120	0.00

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 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)

48 M	t-1,3-Dichloropropene	20.000	17.970	10.2	117	0.00
49 T	cis-1,3-Dichloropropene	20.000	17.538	12.3	114	0.00
50 M	1,1,2-Trichloroethane	20.000	18.228	8.9	111	0.00
51	Ethyl methacrylate	20.000	17.647	11.8	114	0.00
52	1,3-Dichloropropane	20.000	18.404	8.0	114	0.00
53 M	Dibromochloromethane	20.000	17.534	12.3	112	0.00
54 M	1,2-Dibromoethane	20.000	17.454	12.7	109	0.00
55 M	2-Chloroethyl vinyl ether	100.000	66.918	33.1#	87	0.00
56 M	Bromoform	20.000	17.077	14.6	107	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	110	0.00
58 M	4-Methyl-2-Pentanone	100.000	88.926	11.1	114	0.00
59 M	2-Hexanone	100.000	97.732	2.3	119	0.00
60 S	4-Bromofluorobenzene	30.000	29.547	1.5	114	0.00
61 M	Tetrachloroethene	20.000	19.504	2.5	113	0.00
62 M	Toluene	20.000	18.934	5.3	112	0.00
63 S	Toluene-d8	30.000	28.705	4.3	109	0.00
64 M	Chlorobenzene	20.000	18.886	5.6	113	0.00
65	1,1,1,2-Tetrachloroethane	20.000	18.434	7.8	111	0.00
66 M	Ethyl Benzene	20.000	18.702	6.5	114	0.00
67 M	m/p-Xylenes	40.000	37.818	5.5	115	0.00
68 M	o-Xylene	20.000	18.846	5.8	115	0.00
69 M	Styrene	20.000	18.268	8.7	114	0.00
70	Isopropylbenzene	20.000	19.083	4.6	115	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	18.338	8.3	110	0.00
72	1,2,3-Trichloropropane	20.000	16.950	15.3	96	0.00
73	Bromobenzene	20.000	18.753	6.2	114	0.00
74	n-propylbenzene	20.000	18.950	5.3	116	0.00
75	2-Chlorotoluene	20.000	18.809	6.0	113	0.00
76	1,3,5-Trimethylbenzene	20.000	18.720	6.4	113	0.00
77	t-1,4-Dichloro-2-butene	20.000	17.025	14.9	108	0.00
78	4-Chlorotoluene	20.000	18.747	6.3	116	0.00
79	tert-butylbenzene	20.000	17.844	10.8	110	0.00
80	1,2,4-Trimethylbenzene	20.000	18.901	5.5	115	0.00
81	sec-Butylbenzene	20.000	18.767	6.2	117	0.00
82	p-Isopropyltoluene	20.000	18.363	8.2	119	0.00
83 M	1,3-Dichlorobenzene	20.000	17.739	11.3	114	0.00
84 M	1,4-Dichlorobenzene	20.000	16.363	18.2	113	0.00
85	n-Butylbenzene	20.000	16.733	16.3	119	0.00
86 T	Hexachloroethane	20.000	16.213	18.9	114	0.00
87 M	1,2-Dichlorobenzene	20.000	16.738	16.3	112	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	16.680	16.6	118	0.00
89	1,2,4-Trichlorobenzene	20.000	15.279	23.6	115	0.00
90	Hexachlorobutadiene	20.000	16.340	18.3	114	0.00
91 M	Naphthalene	20.000	14.912	25.4	117	0.00
92	1,2,3-Trichlorobenzene	20.000	15.545	22.3	117	0.00

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Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#)= Out of Range					
SPCC's out = 0 CCC's out = 0					