

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044665.D
 Acq On : 16 Jan 2025 11:45
 Operator :
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVVX011625

Quant Time: Jan 17 01:23:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 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	88	0.00
2 M	Dichlorodifluoromethane	20.000	20.509	-2.5	91	0.00
3 M	Chloromethane	20.000	19.100	4.5	81	0.00
4 M	Vinyl Chloride	20.000	20.352	-1.8	89	0.00
5 M	Bromomethane	20.000	19.362	3.2	87	0.00
6 M	Chloroethane	20.000	18.963	5.2	84	0.00
7 M	Trichlorofluoromethane	20.000	21.244	-6.2	94	0.00
8 T	Diethyl Ether	20.000	20.751	-3.8	92	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	21.630	-8.1	98	0.00
10 M	1,1-Dichloroethene	20.000	20.500	-2.5	92	0.00
11	Methyl Iodide	20.000	19.893	0.5	86	0.00
12	Methyl Acetate	20.000	21.168	-5.8	96	0.00
13 M	Acrolein	100.000	100.289	-0.3	107	0.00
14 M	Acrylonitrile	100.000	106.105	-6.1	92	0.00
15 M	Acetone	100.000	114.138	-14.1	102	0.00
16 M	Carbon Disulfide	20.000	20.650	-3.2	91	0.00
17	Allyl chloride	20.000	20.812	-4.1	90	0.00
18 M	Methylene Chloride	20.000	19.777	1.1	85	0.00
19 M	trans-1,2-Dichloroethene	20.000	20.458	-2.3	90	0.00
20 T	Diisopropyl ether	20.000	21.077	-5.4	90	0.00
21 M	1,1-Dichloroethane	20.000	20.604	-3.0	90	0.00
22 M	cis-1,2-Dichloroethene	20.000	20.361	-1.8	86	0.00
23 M	tert-Butyl Alcohol	100.000	104.428	-4.4	89	0.00
24 M	Methyl tert-Butyl Ether	20.000	20.642	-3.2	89	0.00
25 M	Chloroform	20.000	20.489	-2.4	88	0.00
26	Cyclohexane	20.000	21.454	-7.3	95	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.821	0.6	88	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	88	0.00
29	1,1-Dichloropropene	20.000	21.106	-5.5	93	0.00
30 M	2-Butanone	100.000	107.032	-7.0	91	0.00
31	2,2-Dichloropropane	20.000	20.869	-4.3	91	-0.01
32 M	1,1,1-Trichloroethane	20.000	20.522	-2.6	89	0.00
33 M	Carbon Tetrachloride	20.000	20.898	-4.5	91	0.00
34 M	Benzene	20.000	20.899	-4.5	88	0.00
35	Methacrylonitrile	20.000	20.958	-4.8	91	0.00
36 M	1,2-Dichloroethane	20.000	20.476	-2.4	87	0.00
37 M	Trichloroethene	20.000	20.651	-3.3	90	0.00
38	Methylcyclohexane	20.000	21.851	-9.3	98	0.00
39 M	1,2-Dichloropropane	20.000	20.847	-4.2	89	0.00
40	Dibromomethane	20.000	20.456	-2.3	88	0.00
41 M	Bromodichloromethane	20.000	20.283	-1.4	86	0.00
42 M	Vinyl Acetate	100.000	107.208	-7.2	90	0.00
43	Ethyl Acetate	20.000	20.996	-5.0	87	0.00
44	Isopropyl Acetate	20.000	20.825	-4.1	88	0.00
45 T	1,4-Dioxane	400.000	403.967	-1.0	83	-0.01
46	Methyl methacrylate	20.000	19.893	0.5	85	0.00
47	n-amyl Acetate	20.000	20.825	-4.1	86	0.00
48 M	t-1,3-Dichloropropene	20.000	20.098	-0.5	85	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	20.389	-1.9	86	0.00
50 M	1,1,2-Trichloroethane	20.000	20.759	-3.8	86	0.00
51	Ethyl methacrylate	20.000	20.416	-2.1	86	0.00
52	1,3-Dichloropropane	20.000	20.610	-3.0	86	0.00
53 M	Dibromochloromethane	20.000	20.035	-0.2	83	0.00
54 M	1,2-Dibromoethane	20.000	20.554	-2.8	86	0.00
55 M	2-Chloroethyl vinyl ether	100.000	104.044	-4.0	87	0.00
56 M	Bromoform	20.000	19.895	0.5	85	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	84	0.00
58 M	4-Methyl-2-Pentanone	100.000	108.729	-8.7	89	0.00
59 M	2-Hexanone	100.000	109.252	-9.3	90	0.00
60 S	4-Bromofluorobenzene	30.000	29.820	0.6	84	0.00
61 M	Tetrachloroethene	20.000	20.867	-4.3	90	0.00
62 M	Toluene	20.000	20.674	-3.4	87	0.00
63 S	Toluene-d8	30.000	30.639	-2.1	86	0.00
64 M	Chlorobenzene	20.000	20.464	-2.3	86	0.00
65	1,1,1,2-Tetrachloroethane	20.000	20.848	-4.2	87	0.00
66 M	Ethyl Benzene	20.000	20.829	-4.1	86	0.00
67 M	m/p-Xylenes	40.000	42.296	-5.7	86	0.00
68 M	o-Xylene	20.000	21.283	-6.4	86	0.00
69 M	Styrene	20.000	21.140	-5.7	85	0.00
70	Isopropylbenzene	20.000	21.060	-5.3	86	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	21.542	-7.7	89	0.00
72	1,2,3-Trichloropropane	20.000	21.393	-7.0	87	0.00
73	Bromobenzene	20.000	20.409	-2.0	84	0.00
74	n-propylbenzene	20.000	21.062	-5.3	87	0.00
75	2-Chlorotoluene	20.000	21.314	-6.6	87	0.00
76	1,3,5-Trimethylbenzene	20.000	21.023	-5.1	86	0.00
77	t-1,4-Dichloro-2-butene	20.000	20.382	-1.9	86	0.00
78	4-Chlorotoluene	20.000	20.783	-3.9	85	0.00
79	tert-butylbenzene	20.000	21.282	-6.4	86	0.00
80	1,2,4-Trimethylbenzene	20.000	20.931	-4.7	85	0.00
81	sec-Butylbenzene	20.000	21.421	-7.1	88	0.00
82	p-Isopropyltoluene	20.000	20.974	-4.9	86	0.00
83 M	1,3-Dichlorobenzene	20.000	20.613	-3.1	85	0.00
84 M	1,4-Dichlorobenzene	20.000	20.811	-4.1	85	0.00
85	n-Butylbenzene	20.000	20.771	-3.9	87	0.00
86 T	Hexachloroethane	20.000	20.633	-3.2	87	0.00
87 M	1,2-Dichlorobenzene	20.000	21.206	-6.0	86	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	20.383	-1.9	87	0.00
89	1,2,4-Trichlorobenzene	20.000	20.081	-0.4	87	0.00
90	Hexachlorobutadiene	20.000	20.548	-2.7	86	0.00
91 M	Naphthalene	20.000	21.143	-5.7	88	0.00
92	1,2,3-Trichlorobenzene	20.000	20.183	-0.9	84	0.00

(#) = Out of Range

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