

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062025\
 Data File : VX046777.D
 Acq On : 20 Jun 2025 09:16
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jun 20 23:11:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061025W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 11 06:20:28 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	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	114	-0.01
2 M	Dichlorodifluoromethane	1.950	1.913	1.9	107	0.00
3 M	Chloromethane	2.010	2.057	-2.3	110	0.00
4 M	Vinyl Chloride	1.937	2.169	-12.0	121	0.00
5 M	Bromomethane	1.157	1.324	-14.4	117	0.00
6 M	Chloroethane	1.113	1.349	-21.2	139	0.00
7 M	Trichlorofluoromethane	2.775	3.181	-14.6	122	0.00
8 T	Diethyl Ether	0.972	1.015	-4.4	112	0.00
9	1,1,2-Trichlorotrifluoroeth	1.846	1.826	1.1	107	0.00
10 M	1,1-Dichloroethene	1.791	1.907	-6.5	118	0.00
11	Methyl Iodide	2.442	2.033	16.7	92	0.00
12	Methyl Acetate	2.257	1.470	34.9#	54	0.00
13 M	Acrolein	0.221	0.217	1.8	119	0.00
14 M	Acrylonitrile	0.928	0.734	20.9	86	0.00
15 M	Acetone	0.212	0.165	22.2	85	0.00
16 M	Carbon Disulfide	4.969	5.408	-8.8	118	0.00
17	Allyl chloride	3.249	3.275	-0.8	110	0.00
18 M	Methylene Chloride	1.976	1.982	-0.3	109	0.00
19 M	trans-1,2-Dichloroethene	1.856	1.935	-4.3	115	0.00
20 T	Diisopropyl ether	6.147	6.480	-5.4	113	-0.01
21 M	1,1-Dichloroethane	3.522	3.681	-4.5	113	0.00
22 M	cis-1,2-Dichloroethene	2.164	2.025	6.4	101	-0.01
23 M	tert-Butyl Alcohol	0.187	0.105	43.9#	65	-0.01
24 M	Methyl tert-Butyl Ether	5.471	4.949	9.5	98	-0.01
25 M	Chloroform	3.625	3.619	0.2	107	0.00
26	Cyclohexane	3.214	3.389	-5.4	114	0.00
27 s	1,2-Dichloroethane-d4	2.428	2.403	1.0	112	-0.01
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	134	0.00
29	1,1-Dichloropropene	0.472	0.423	10.4	110	-0.01
30 M	2-Butanone	0.210	0.125	40.5#	74	0.00
31	2,2-Dichloropropane	0.419	0.435	-3.8	133	-0.01
32 M	1,1,1-Trichloroethane	0.583	0.492	15.6	105	-0.01
33 M	Carbon Tetrachloride	0.518	0.356	31.3#	86	-0.01
34 M	Benzene	1.387	1.256	9.4	112	0.00
35	Methacrylonitrile	0.258	0.181	29.8#	91	-0.01
36 M	1,2-Dichloroethane	0.525	0.424	19.2	98	-0.01
37 M	Trichloroethene	0.348	0.320	8.0	117	-0.01
38	Methylcyclohexane	0.599	0.561	6.3	120	0.00
39 M	1,2-Dichloropropane	0.346	0.311	10.1	113	0.00
40	Dibromomethane	0.259	0.210	18.9	102	-0.01
41 M	Bromodichloromethane	0.527	0.460	12.7	107	0.00
42 M	Vinyl Acetate	0.908	0.728	19.8	113	0.00
43	Ethyl Acetate	0.446	0.294	34.1#	84	-0.01
44	Isopropyl Acetate	0.697	0.479	31.3#	90	-0.01
45 T	1,4-Dioxane	0.004	0.003	25.0	77	0.00
46	Methyl methacrylate	0.380	0.252	33.7#	83	-0.01
47	n-amyl Acetate	0.623	0.440	29.4#	105	0.00
48 M	t-1,3-Dichloropropene	0.472	0.406	14.0	115	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.527	0.467	11.4	115	0.00
50 M	1,1,2-Trichloroethane	0.326	0.277	15.0	106	0.00
51	Ethyl methacrylate	0.496	0.363	26.8#	94	0.00
52	1,3-Dichloropropane	0.568	0.487	14.3	105	0.00
53 M	Dibromochloromethane	0.384	0.101	73.7#	33#	-0.02
54 M	1,2-Dibromoethane	0.343	0.281	18.1	104	0.00
55 M	2-Chloroethyl vinyl ether	0.259	0.238	8.1	112	0.00
56 M	Bromoform	0.237	0.018	92.4#	10#	0.01
57 I	Chlorobenzene-d5	1.000	1.000	0.0	134	0.00
58 M	4-Methyl-2-Pentanone	0.488	0.299	38.7#	77	0.00
59 M	2-Hexanone	0.344	0.197	42.7#	71	0.00
60 S	4-Bromofluorobenzene	0.506	0.503	0.6	133	0.00
61 M	Tetrachloroethene	0.314	0.301	4.1	121	0.00
62 M	Toluene	1.626	1.488	8.5	114	0.00
63 S	Toluene-d8	1.340	1.302	2.8	128	0.00
64 M	Chlorobenzene	1.049	0.960	8.5	117	0.00
65	1,1,1,2-Tetrachloroethane	0.351	0.319	9.1	115	0.00
66 M	Ethyl Benzene	1.856	1.662	10.5	113	0.00
67 M	m/p-Xylenes	0.687	0.636	7.4	116	0.00
68 M	o-Xylene	0.661	0.607	8.2	115	0.00
69 M	Styrene	1.133	1.042	8.0	114	0.00
70	Isopropylbenzene	1.774	1.600	9.8	114	0.00
71 M	1,1,2,2-Tetrachloroethane	0.521	0.390	25.1#	92	0.00
72	1,2,3-Trichloropropane	0.435	0.309	29.0#	89	0.00
73	Bromobenzene	0.416	0.387	7.0	119	0.00
74	n-propylbenzene	2.122	1.965	7.4	116	0.00
75	2-Chlorotoluene	1.270	1.146	9.8	112	0.00
76	1,3,5-Trimethylbenzene	1.474	1.336	9.4	113	0.00
77	t-1,4-Dichloro-2-butene	0.147	0.109	25.9#	100	0.00
78	4-Chlorotoluene	1.469	1.333	9.3	111	0.00
79	tert-butylbenzene	1.470	1.374	6.5	117	0.00
80	1,2,4-Trimethylbenzene	1.456	1.319	9.4	113	0.00
81	sec-Butylbenzene	1.881	1.750	7.0	116	0.00
82	p-Isopropyltoluene	1.544	1.453	5.9	117	0.00
83 M	1,3-Dichlorobenzene	0.774	0.733	5.3	119	0.00
84 M	1,4-Dichlorobenzene	0.779	0.743	4.6	119	0.00
85	n-Butylbenzene	1.488	1.373	7.7	114	0.00
86 T	Hexachloroethane	0.268	0.182	32.1#	87	0.00
87 M	1,2-Dichlorobenzene	0.745	0.702	5.8	117	0.00
88	1,2-Dibromo-3-Chloropropane	0.108	0.066	38.9#	78	0.00
89	1,2,4-Trichlorobenzene	0.491	0.471	4.1	122	0.00
90	Hexachlorobutadiene	0.216	0.200	7.4	117	0.00
91 M	Naphthalene	1.558	1.171	24.8	97	0.00
92	1,2,3-Trichlorobenzene	0.482	0.438	9.1	114	0.00

(#) = Out of Range

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