

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
 Data File : VX045285.D
 Acq On : 14 Mar 2025 10:17
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Mar 15 03:51:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 01:06:36 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	89	0.00
2 M	Dichlorodifluoromethane	2.529	2.471	2.3	89	0.00
3 M	Chloromethane	3.029	2.691	11.2	80	0.01
4 M	Vinyl Chloride	2.923	2.354	19.5	74	0.00
5 M	Bromomethane	1.017	1.071	-5.3	97	0.00
6 M	Chloroethane	1.583	1.373	13.3	73	0.00
7 M	Trichlorofluoromethane	3.928	3.534	10.0	85	0.00
8 T	Diethyl Ether	1.486	1.188	20.1	74	0.00
9	1,1,2-Trichlorotrifluoroeth	2.333	2.264	3.0	92	0.00
10 M	1,1-Dichloroethene	2.279	2.129	6.6	88	0.00
11	Methyl Iodide	2.579	2.541	1.5	104	0.00
12	Methyl Acetate	2.646	3.825	-44.6#	138	0.00
13 M	Acrolein	0.530	0.416	21.5	78	0.00
14 M	Acrylonitrile	1.293	1.379	-6.7	99	0.00
15 M	Acetone	0.355	0.394	-11.0	99	0.00
16 M	Carbon Disulfide	6.464	5.161	20.2	77	0.00
17	Allyl chloride	4.262	3.969	6.9	89	0.00
18 M	Methylene Chloride	2.563	2.505	2.3	90	0.00
19 M	trans-1,2-Dichloroethene	2.306	2.107	8.6	85	0.00
20 T	Diisopropyl ether	8.191	7.642	6.7	87	0.00
21 M	1,1-Dichloroethane	4.555	4.300	5.6	88	0.00
22 M	cis-1,2-Dichloroethene	2.763	2.543	8.0	86	0.00
23 M	tert-Butyl Alcohol	0.451	0.420	6.9	88	-0.02
24 M	Methyl tert-Butyl Ether	7.438	6.972	6.3	88	0.00
25 M	Chloroform	4.400	4.393	0.2	92	0.00
26	Cyclohexane	4.205	3.748	10.9	83	0.00
27 s	1,2-Dichloroethane-d4	2.914	3.149	-8.1	97	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	86	0.00
29	1,1-Dichloropropene	0.552	0.529	4.2	85	0.00
30 M	2-Butanone	0.319	0.373	-16.9	103	0.00
31	2,2-Dichloropropane	0.624	0.553	11.4	81	0.00
32 M	1,1,1-Trichloroethane	0.669	0.678	-1.3	90	0.00
33 M	Carbon Tetrachloride	0.564	0.574	-1.8	90	0.00
34 M	Benzene	1.731	1.704	1.6	86	0.00
35	Methacrylonitrile	0.341	0.381	-11.7	98	0.00
36 M	1,2-Dichloroethane	0.592	0.650	-9.8	96	0.00
37 M	Trichloroethene	0.405	0.384	5.2	82	0.00
38	Methylcyclohexane	0.741	0.685	7.6	84	0.00
39 M	1,2-Dichloropropane	0.430	0.434	-0.9	88	0.00
40	Dibromomethane	0.309	0.319	-3.2	91	0.00
41 M	Bromodichloromethane	0.614	0.616	-0.3	89	0.00
42 M	Vinyl Acetate	1.237	1.168	5.6	84	0.00
43	Ethyl Acetate	0.598	0.616	-3.0	91	0.00
44	Isopropyl Acetate	0.984	0.988	-0.4	92	0.00
45 T	1,4-Dioxane	0.010	0.009	10.0	77	0.00
46	Methyl methacrylate	0.482	0.508	-5.4	95	0.00
47	n-amyl Acetate	0.854	0.826	3.3	88	0.00
48 M	t-1,3-Dichloropropene	0.591	0.536	9.3	87	0.00

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.670	0.624	6.9	84	0.00
50 M	1,1,2-Trichloroethane	0.403	0.416	-3.2	88	0.00
51	Ethyl methacrylate	0.633	0.618	2.4	91	0.00
52	1,3-Dichloropropane	0.706	0.729	-3.3	89	0.00
53 M	Dibromochloromethane	0.445	0.457	-2.7	90	0.00
54 M	1,2-Dibromoethane	0.409	0.415	-1.5	89	0.00
55 M	2-Chloroethyl vinyl ether	0.325	0.324	0.3	89	0.00
56 M	Bromoform	0.279	0.288	-3.2	96	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
58 M	4-Methyl-2-Pentanone	0.682	0.810	-18.8	101	0.00
59 M	2-Hexanone	0.493	0.584	-18.5	101	0.00
60 S	4-Bromofluorobenzene	0.561	0.568	-1.2	86	0.00
61 M	Tetrachloroethene	0.369	0.390	-5.7	90	0.00
62 M	Toluene	1.987	1.976	0.6	86	0.00
63 S	Toluene-d8	1.660	1.716	-3.4	87	0.00
64 M	Chlorobenzene	1.231	1.229	0.2	86	0.00
65	1,1,1,2-Tetrachloroethane	0.406	0.414	-2.0	89	0.00
66 M	Ethyl Benzene	2.176	2.166	0.5	87	0.00
67 M	m/p-Xylenes	0.811	0.799	1.5	83	0.00
68 M	o-Xylene	0.795	0.783	1.5	83	0.00
69 M	Styrene	1.328	1.299	2.2	84	0.00
70	Isopropylbenzene	2.053	2.090	-1.8	87	0.00
71 M	1,1,2,2-Tetrachloroethane	0.675	0.771	-14.2	98	0.00
72	1,2,3-Trichloropropane	0.555	0.639	-15.1	100	0.00
73	Bromobenzene	0.473	0.475	-0.4	86	0.00
74	n-propylbenzene	2.443	2.439	0.2	87	0.00
75	2-Chlorotoluene	1.477	1.496	-1.3	86	0.00
76	1,3,5-Trimethylbenzene	1.693	1.702	-0.5	85	0.00
77	t-1,4-Dichloro-2-butene	0.187	0.178	4.8	94	0.00
78	4-Chlorotoluene	1.646	1.686	-2.4	88	0.00
79	tert-butylbenzene	1.706	1.718	-0.7	85	0.00
80	1,2,4-Trimethylbenzene	1.696	1.675	1.2	83	0.00
81	sec-Butylbenzene	2.141	2.172	-1.4	87	0.00
82	p-Isopropyltoluene	1.735	1.787	-3.0	89	0.00
83 M	1,3-Dichlorobenzene	0.879	0.858	2.4	83	0.00
84 M	1,4-Dichlorobenzene	0.867	0.888	-2.4	88	0.00
85	n-Butylbenzene	1.584	1.556	1.8	87	0.00
86 T	Hexachloroethane	0.306	0.298	2.6	90	0.00
87 M	1,2-Dichlorobenzene	0.863	0.899	-4.2	88	0.00
88	1,2-Dibromo-3-Chloropropane	0.131	0.148	-13.0	104	0.00
89	1,2,4-Trichlorobenzene	0.523	0.500	4.4	86	0.00
90	Hexachlorobutadiene	0.213	0.217	-1.9	88	0.00
91 M	Naphthalene	1.843	1.826	0.9	87	0.00
92	1,2,3-Trichlorobenzene	0.538	0.518	3.7	84	0.00

(#) = Out of Range

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