

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
 Data File : VX045295.D
 Acq On : 14 Mar 2025 16:41
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Mar 15 04:00:57 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	81	0.01
2 M	Dichlorodifluoromethane	2.529	2.502	1.1	82	0.00
3 M	Chloromethane	3.029	2.754	9.1	75	0.01
4 M	Vinyl Chloride	2.923	2.529	13.5	72	0.00
5 M	Bromomethane	1.017	1.106	-8.8	92	0.00
6 M	Chloroethane	1.583	1.370	13.5	67	0.00
7 M	Trichlorofluoromethane	3.928	3.726	5.1	81	0.00
8 T	Diethyl Ether	1.486	1.263	15.0	71	0.00
9	1,1,2-Trichlorotrifluoroeth	2.333	2.338	-0.2	86	0.00
10 M	1,1-Dichloroethene	2.279	2.286	-0.3	86	0.00
11	Methyl Iodide	2.579	2.586	-0.3	96	0.00
12	Methyl Acetate	2.646	4.134	-56.2#	135	0.00
13 M	Acrolein	0.530	0.481	9.2	82	0.00
14 M	Acrylonitrile	1.293	1.479	-14.4	96	0.00
15 M	Acetone	0.355	0.410	-15.5	94	0.00
16 M	Carbon Disulfide	6.464	4.712	27.1#	64	0.00
17	Allyl chloride	4.262	4.090	4.0	84	0.00
18 M	Methylene Chloride	2.563	2.583	-0.8	84	0.00
19 M	trans-1,2-Dichloroethene	2.306	2.236	3.0	82	0.00
20 T	Diisopropyl ether	8.191	8.573	-4.7	89	0.00
21 M	1,1-Dichloroethane	4.555	4.764	-4.6	89	0.00
22 M	cis-1,2-Dichloroethene	2.763	2.803	-1.4	86	0.00
23 M	tert-Butyl Alcohol	0.451	0.503	-11.5	96	0.00
24 M	Methyl tert-Butyl Ether	7.438	8.123	-9.2	93	0.00
25 M	Chloroform	4.400	4.855	-10.3	92	0.00
26	Cyclohexane	4.205	4.151	1.3	83	0.00
27 s	1,2-Dichloroethane-d4	2.914	3.296	-13.1	92	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	82	0.00
29	1,1-Dichloropropene	0.552	0.566	-2.5	86	0.00
30 M	2-Butanone	0.319	0.387	-21.3	102	0.00
31	2,2-Dichloropropane	0.624	0.575	7.9	80	0.00
32 M	1,1,1-Trichloroethane	0.669	0.701	-4.8	89	0.00
33 M	Carbon Tetrachloride	0.564	0.557	1.2	83	0.00
34 M	Benzene	1.731	1.815	-4.9	88	0.00
35	Methacrylonitrile	0.341	0.411	-20.5	101	0.01
36 M	1,2-Dichloroethane	0.592	0.689	-16.4	97	0.00
37 M	Trichloroethene	0.405	0.416	-2.7	85	0.00
38	Methylcyclohexane	0.741	0.735	0.8	86	0.00
39 M	1,2-Dichloropropane	0.430	0.458	-6.5	88	0.00
40	Dibromomethane	0.309	0.332	-7.4	90	0.00
41 M	Bromodichloromethane	0.614	0.642	-4.6	89	0.00
42 M	Vinyl Acetate	1.237	1.262	-2.0	87	0.00
43	Ethyl Acetate	0.598	0.688	-15.1	97	0.00
44	Isopropyl Acetate	0.984	1.094	-11.2	98	0.00
45 T	1,4-Dioxane	0.010	0.010	0.0	78	0.00
46	Methyl methacrylate	0.482	0.579	-20.1	104	0.00
47	n-amyl Acetate	0.854	0.957	-12.1	97	0.00
48 M	t-1,3-Dichloropropene	0.591	0.535	9.5	83	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	0.651	2.8	84	0.00
50 M	1,1,2-Trichloroethane	0.403	0.444	-10.2	90	0.00
51	Ethyl methacrylate	0.633	0.719	-13.6	101	0.00
52	1,3-Dichloropropane	0.706	0.798	-13.0	93	0.00
53 M	Dibromochloromethane	0.445	0.450	-1.1	85	0.00
54 M	1,2-Dibromoethane	0.409	0.463	-13.2	95	0.00
55 M	2-Chloroethyl vinyl ether	0.325	0.369	-13.5	96	0.00
56 M	Bromoform	0.279	0.268	3.9	85	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
58 M	4-Methyl-2-Pentanone	0.682	0.831	-21.8	105	0.00
59 M	2-Hexanone	0.493	0.607	-23.1	106	0.00
60 S	4-Bromofluorobenzene	0.561	0.581	-3.6	89	0.00
61 M	Tetrachloroethene	0.369	0.380	-3.0	88	0.00
62 M	Toluene	1.987	1.995	-0.4	87	0.00
63 S	Toluene-d8	1.660	1.632	1.7	84	0.00
64 M	Chlorobenzene	1.231	1.290	-4.8	91	0.00
65	1,1,1,2-Tetrachloroethane	0.406	0.396	2.5	86	0.00
66 M	Ethyl Benzene	2.176	2.268	-4.2	92	0.00
67 M	m/p-Xylenes	0.811	0.846	-4.3	89	0.00
68 M	o-Xylene	0.795	0.845	-6.3	90	0.00
69 M	Styrene	1.328	1.386	-4.4	90	0.00
70	Isopropylbenzene	2.053	2.178	-6.1	91	0.00
71 M	1,1,2,2-Tetrachloroethane	0.675	0.760	-12.6	98	0.00
72	1,2,3-Trichloropropane	0.555	0.621	-11.9	98	0.00
73	Bromobenzene	0.473	0.493	-4.2	90	0.00
74	n-propylbenzene	2.443	2.591	-6.1	93	0.00
75	2-Chlorotoluene	1.477	1.586	-7.4	92	0.00
76	1,3,5-Trimethylbenzene	1.693	1.847	-9.1	93	0.00
77	t-1,4-Dichloro-2-butene	0.187	0.154	17.6	82	0.00
78	4-Chlorotoluene	1.646	1.759	-6.9	93	0.00
79	tert-butylbenzene	1.706	1.824	-6.9	92	0.00
80	1,2,4-Trimethylbenzene	1.696	1.793	-5.7	90	0.00
81	sec-Butylbenzene	2.141	2.264	-5.7	91	0.00
82	p-Isopropyltoluene	1.735	1.838	-5.9	92	0.00
83 M	1,3-Dichlorobenzene	0.879	0.892	-1.5	87	0.00
84 M	1,4-Dichlorobenzene	0.867	0.888	-2.4	89	0.00
85	n-Butylbenzene	1.584	1.626	-2.7	92	0.00
86 T	Hexachloroethane	0.306	0.275	10.1	83	0.00
87 M	1,2-Dichlorobenzene	0.863	0.920	-6.6	91	0.00
88	1,2-Dibromo-3-Chloropropane	0.131	0.146	-11.5	103	0.00
89	1,2,4-Trichlorobenzene	0.523	0.515	1.5	90	0.00
90	Hexachlorobutadiene	0.213	0.213	0.0	87	0.00
91 M	Naphthalene	1.843	1.984	-7.7	95	0.00
92	1,2,3-Trichlorobenzene	0.538	0.542	-0.7	89	0.00

(#) = Out of Range

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