

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012325\
 Data File : VX044699.D
 Acq On : 23 Jan 2025 08:21
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jan 24 03:10:53 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	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	51	0.00
2 M	Dichlorodifluoromethane	2.667	2.456	7.9	47#	0.00
3 M	Chloromethane	2.806	2.870	-2.3	51	0.00
4 M	Vinyl Chloride	2.745	2.855	-4.0	53	0.00
5 M	Bromomethane	0.663	0.667	-0.6	52	0.01
6 M	Chloroethane	0.435	0.630	-44.8#	74	0.00
7 M	Trichlorofluoromethane	3.006	2.605	13.3	45#	0.00
8 T	Diethyl Ether	1.160	0.880	24.1	39#	0.00
9	1,1,2-Trichlorotrifluoroeth	2.154	2.225	-3.3	54	0.00
10 M	1,1-Dichloroethene	2.216	2.166	2.3	51	0.00
11	Methyl Iodide	3.071	2.595	15.5	42#	0.00
12	Methyl Acetate	3.235	3.741	-15.6	61	0.00
13 M	Acrolein	0.358	0.574	-60.3#	99	0.00
14 M	Acrylonitrile	1.179	1.429	-21.2	61	0.00
15 M	Acetone	0.316	0.389	-23.1	64	0.00
16 M	Carbon Disulfide	6.158	5.540	10.0	46#	0.00
17	Allyl chloride	3.996	3.941	1.4	50#	0.00
18 M	Methylene Chloride	2.480	2.199	11.3	44#	0.00
19 M	trans-1,2-Dichloroethene	2.203	2.011	8.7	47#	0.00
20 T	Diisopropyl ether	7.253	7.279	-0.4	50#	0.00
21 M	1,1-Dichloroethane	4.303	4.190	2.6	49#	0.00
22 M	cis-1,2-Dichloroethene	2.727	2.560	6.1	46#	0.00
23 M	tert-Butyl Alcohol	0.570	0.386	32.3#	34#	0.00
24 M	Methyl tert-Butyl Ether	7.678	7.167	6.7	47#	0.00
25 M	Chloroform	4.275	4.081	4.5	48#	0.00
26	Cyclohexane	3.616	3.913	-8.2	56	0.00
27 s	1,2-Dichloroethane-d4	2.896	2.644	8.7	47#	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	50	0.00
29	1,1-Dichloropropene	0.522	0.515	1.3	50#	0.00
30 M	2-Butanone	0.287	0.341	-18.8	58	0.00
31	2,2-Dichloropropane	0.722	0.629	12.9	43#	0.00
32 M	1,1,1-Trichloroethane	0.692	0.658	4.9	47#	0.00
33 M	Carbon Tetrachloride	0.583	0.558	4.3	48#	0.00
34 M	Benzene	1.665	1.678	-0.8	49#	0.00
35	Methacrylonitrile	0.320	0.330	-3.1	51	-0.01
36 M	1,2-Dichloroethane	0.595	0.538	9.6	44#	0.00
37 M	Trichloroethene	0.402	0.370	8.0	46#	0.00
38	Methylcyclohexane	0.709	0.708	0.1	51	0.00
39 M	1,2-Dichloropropane	0.415	0.413	0.5	49#	0.00
40	Dibromomethane	0.309	0.285	7.8	46#	0.00
41 M	Bromodichloromethane	0.637	0.589	7.5	45#	0.00
42 M	Vinyl Acetate	1.138	1.178	-3.5	50#	0.00
43	Ethyl Acetate	0.562	0.639	-13.7	54	0.00
44	Isopropyl Acetate	1.010	1.024	-1.4	49#	0.00
45 T	1,4-Dioxane	0.010	0.012	-20.0	59	0.02
46	Methyl methacrylate	0.494	0.500	-1.2	49#	0.00
47	n-amyl Acetate	0.848	0.806	5.0	45#	0.00
48 M	t-1,3-Dichloropropene	0.673	0.558	17.1	40#	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.721	0.647	10.3	43#	0.00
50 M	1,1,2-Trichloroethane	0.397	0.394	0.8	47#	0.00
51	Ethyl methacrylate	0.691	0.657	4.9	46#	0.00
52	1,3-Dichloropropane	0.687	0.663	3.5	46#	0.00
53 M	Dibromochloromethane	0.475	0.437	8.0	44#	0.00
54 M	1,2-Dibromoethane	0.420	0.398	5.2	45#	0.00
55 M	2-Chloroethyl vinyl ether	0.335	0.318	5.1	46#	0.00
56 M	Bromoform	0.315	0.289	8.3	45#	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	47#	0.00
58 M	4-Methyl-2-Pentanone	0.632	0.739	-16.9	54	0.00
59 M	2-Hexanone	0.463	0.540	-16.6	54	0.00
60 S	4-Bromofluorobenzene	0.583	0.546	6.3	45#	0.00
61 M	Tetrachloroethene	0.360	0.339	5.8	46#	0.00
62 M	Toluene	1.975	2.000	-1.3	48#	0.00
63 S	Toluene-d8	1.632	1.723	-5.6	50	0.00
64 M	Chlorobenzene	1.227	1.149	6.4	44#	0.00
65	1,1,1,2-Tetrachloroethane	0.441	0.436	1.1	46#	0.00
66 M	Ethyl Benzene	2.156	2.096	2.8	45#	0.00
67 M	m/p-Xylenes	0.792	0.759	4.2	44#	0.00
68 M	o-Xylene	0.795	0.794	0.1	46#	0.00
69 M	Styrene	1.306	1.211	7.3	42#	0.00
70	Isopropylbenzene	1.999	1.940	3.0	45#	0.00
71 M	1,1,2,2-Tetrachloroethane	0.672	0.721	-7.3	50#	0.00
72	1,2,3-Trichloropropane	0.565	0.682	-20.7	55	0.00
73	Bromobenzene	0.466	0.413	11.4	41#	0.00
74	n-propylbenzene	2.271	2.065	9.1	42#	0.00
75	2-Chlorotoluene	1.428	1.352	5.3	43#	0.00
76	1,3,5-Trimethylbenzene	1.624	1.557	4.1	44#	0.00
77	t-1,4-Dichloro-2-butene	0.268	0.246	8.2	44#	0.00
78	4-Chlorotoluene	1.573	1.380	12.3	40#	0.00
79	tert-butylbenzene	1.668	1.599	4.1	44#	0.00
80	1,2,4-Trimethylbenzene	1.638	1.513	7.6	42#	0.00
81	sec-Butylbenzene	1.992	1.812	9.0	42#	0.00
82	p-Isopropyltoluene	1.639	1.442	12.0	40#	0.00
83 M	1,3-Dichlorobenzene	0.827	0.690	16.6	39#	0.00
84 M	1,4-Dichlorobenzene	0.811	0.687	15.3	39#	0.00
85	n-Butylbenzene	1.421	1.133	20.3	38#	0.00
86 T	Hexachloroethane	0.361	0.327	9.4	43#	0.00
87 M	1,2-Dichlorobenzene	0.826	0.742	10.2	41#	0.00
88	1,2-Dibromo-3-Chloropropane	0.162	0.160	1.2	47#	0.00
89	1,2,4-Trichlorobenzene	0.513	0.384	25.1#	36#	0.00
90	Hexachlorobutadiene	0.199	0.155	22.1	37#	0.00
91 M	Naphthalene	1.921	1.720	10.5	42#	0.00
92	1,2,3-Trichlorobenzene	0.522	0.403	22.8	36#	0.00

(#) = Out of Range

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