

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043039.D
 Acq On : 02 Oct 2025 14:14
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL100225

Quant Time: Oct 03 08:24:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:22:04 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	102	0.00
2 T	Dichlorodifluoromethane	1.685	1.608	4.6	103	0.00
3	Chlorodifluoromethane	1.630	1.544	5.3	103	0.00
4	Chloromethane	0.616	0.585	5.0	103	0.00
5 T	Vinyl Chloride	0.584	0.554	5.1	104	0.00
6 T	Bromomethane	0.263	0.259	1.5	106	0.00
7	Chloroethane	0.244	0.228	6.6	104	0.00
8 T	Dichlorotetrafluoroethane	1.381	1.321	4.3	103	0.00
9 T	Propene	0.657	0.649	1.2	104	0.00
10 T	Heptane	1.616	1.742	-7.8	101	0.00
11 T	Trichlorofluoromethane	1.732	1.632	5.8	102	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.364	1.279	6.2	101	0.00
13	Ethanol	0.045	0.026#	42.2#	97	0.00
14 T	Bromoethene	0.489	0.478	2.2	104	0.00
15 T	Acetone	1.400	1.145	18.2	102	0.00
16 T	1,3-Butadiene	0.577	0.533	7.6	101	0.00
17	tert-Butyl alcohol	1.481	1.397	5.7	103	0.00
18 T	1,1-Dichloroethene	0.598	0.571	4.5	101	0.00
19 T	Isopropyl Alcohol	0.671	0.613	8.6	103	0.00
20 T	Methylene Chloride	0.611	0.500	18.2	104	0.00
21 T	Allyl Chloride	0.897	0.847	5.6	102	0.00
22 T	trans-1,2-Dichloroethene	0.679	0.644	5.2	103	0.00
23 T	Vinyl Acetate	0.297	0.257	13.5	107	0.00
24 T	1,1-Dichloroethane	1.287	1.217	5.4	103	0.00
25 T	Ethyl Acetate	3.513	3.520	-0.2	102	0.00
26 T	Hexane	1.351	1.422	-5.3	103	0.00
27 T	Carbon Disulfide	1.595	1.531	4.0	102	0.00
28 T	Methyl tert-Butyl Ether	0.846	0.826	2.4	102	0.00
29 T	Chloroform	2.304	2.175	5.6	100	0.00
30 T	Cyclohexane	1.110	1.210	-9.0	103	0.00
31 T	cis-1,2-Dichloroethene	1.389	1.398	-0.6	101	0.00
32 T	1,1,1-Trichloroethane	2.239	2.168	3.2	102	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
34 T	2-Butanone	0.679	0.645	5.0	101	0.00
35 T	Carbon Tetrachloride	0.823	0.743	9.7	100	0.00
36 T	Benzene	0.955	0.957	-0.2	102	0.00
37 T	1,2-Dichloroethane	0.566	0.538	4.9	101	0.00
38 T	Trichloroethene	0.398	0.398	0.0	100	0.00
39 T	1,2-Dichloropropane	0.354	0.342	3.4	100	0.00
40 T	1,4-Dioxane	0.152	0.149	2.0	98	0.00
41 T	Tetrahydrofuran	0.351	0.375	-6.8	102	0.00
42 T	Bromodichloromethane	0.799	0.769	3.8	100	0.00
43	Methyl Methacrylate	0.317	0.354	-11.7	103	0.00
44 T	2,2,4-Trimethylpentane	1.533	1.577	-2.9	102	0.00
45 T	t-1,3-Dichloropropene	0.290	0.306	-5.5	100	0.00
46 T	cis-1,3-Dichloropropene	0.409	0.433	-5.9	101	0.00
47 T	1,1,2-Trichloroethane	0.394	0.366	7.1	100	0.00
48 T	Dibromochloromethane	0.643	0.627	2.5	97	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	Bromoform	0.537	0.513	4.5	94	0.00
50 T	4-Methyl-2-Pentanone	0.827	0.902	-9.1	102	0.00
51 T	2-Hexanone	0.589	0.662	-12.4	98	0.00
52 T	Tetrachloroethene	0.354	0.339	4.2	101	0.00
53 T	Toluene	0.965	1.065	-10.4	101	0.00
54 T	1,2-Dibromoethane	0.467	0.460	1.5	98	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
56	1,1,1,2-Tetrachloroethane	0.610	0.572	6.2	98	0.00
57 T	Chlorobenzene	1.057	0.986	6.7	98	0.00
58 T	Ethyl Benzene	1.549	1.708	-10.3	98	0.00
59 T	m/p-Xylene	1.307	1.394	-6.7	98	0.00
60 T	o-Xylene	1.302	1.384	-6.3	97	0.00
61 T	Styrene	0.545	0.628	-15.2	95	0.00
62	Isopropylbenzene	1.998	2.069	-3.6	98	0.00
63 T	1,1,2,2-Tetrachloroethane	0.934	0.795	14.9	92	0.00
64	n-propylbenzene	0.511	0.530	-3.7	96	0.00
65	tert-Butylbenzene	1.778	1.794	-0.9	94	0.00
66 T	Benzyl Chloride	0.068	0.058	14.7	85	0.00
67	sec-Butylbenzene	2.482	2.473	0.4	94	0.00
68 S	1-Bromo-4-Fluorobenzene	0.720	0.735	-2.1	101	0.00
69	p-Isopropyltoluene	2.019	2.065	-2.3	93	0.00
70	n-Butylbenzene	1.944	2.012	-3.5	92	0.00
71	2-Chlorotoluene	1.446	1.483	-2.6	95	0.00
72 T	4-Ethyltoluene	1.549	1.639	-5.8	95	0.00
73 T	1,3,5-Trimethylbenzene	1.340	1.369	-2.2	94	0.00
74 T	1,2,4-Trimethylbenzene	1.513	1.508	0.3	94	0.00
75 T	1,3-Dichlorobenzene	0.984	0.901	8.4	93	0.00
76 T	1,4-Dichlorobenzene	0.938	0.879	6.3	92	0.00
77 T	1,2-Dichlorobenzene	0.980	0.846	13.7	92	0.00
78 T	Hexachloro-1,3-Butadiene	0.683	0.638	6.6	100	0.00
79 T	Naphthalene	0.903	1.217	-34.8#	96	0.00
80 T	Naphthalene,2-methyl-	0.457	0.491	-7.4	88	0.00
81 T	1,2,4-Trichlorobenzene	0.583	0.699	-19.9	102	0.00

(#) = Out of Range

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