

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043278.D
 Acq On : 24 Nov 2025 12:27
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Nov 24 23:38:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 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	1.410	1.549	-9.9	118	0.00
3	Chlorodifluoromethane	1.387	1.445	-4.2	112	0.00
4	Chloromethane	0.527	0.534	-1.3	109	0.00
5 T	Vinyl Chloride	0.577	0.536	7.1	112	0.00
6 T	Bromomethane	0.280	0.266	5.0	107	0.00
7	Chloroethane	0.225	0.220	2.2	116	0.00
8 T	Dichlorotetrafluoroethane	1.173	1.287	-9.7	120	0.00
9 T	Propene	0.589	0.566	3.9	115	0.00
10 T	Heptane	1.753	1.593	9.1	101	0.00
11 T	Trichlorofluoromethane	1.367	1.643	-20.2	135	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.067	1.219	-14.2	126	0.00
13	Ethanol	0.207	0.167	19.3	102	0.00
14 T	Bromoethene	0.409	0.444	-8.6	125	0.00
15 T	Acetone	1.389	1.171	15.7	116	0.00
16 T	1,3-Butadiene	0.619	0.603	2.6	112	0.00
17	tert-Butyl alcohol	1.824	1.756	3.7	105	0.00
18 T	1,1-Dichloroethene	0.497	0.536	-7.8	124	0.00
19 T	Isopropyl Alcohol	0.785	0.708	9.8	106	0.00
20 T	Methylene Chloride	0.600	0.489	18.5	125	0.00
21 T	Allyl Chloride	0.935	0.827	11.6	99	0.00
22 T	trans-1,2-Dichloroethene	0.568	0.600	-5.6	122	0.00
23 T	Vinyl Acetate	1.677	1.515	9.7	95	0.00
24 T	1,1-Dichloroethane	1.096	1.177	-7.4	118	0.00
25 T	Ethyl Acetate	2.996	2.830	5.5	104	0.00
26 T	Hexane	1.314	1.279	2.7	106	0.00
27 T	Carbon Disulfide	1.341	1.501	-11.9	122	0.00
28 T	Methyl tert-Butyl Ether	0.645	0.650	-0.8	112	0.00
29 T	Chloroform	1.867	2.175	-16.5	124	0.00
30 T	Cyclohexane	1.101	1.079	2.0	107	0.00
31 T	cis-1,2-Dichloroethene	1.306	1.344	-2.9	110	0.00
32 T	1,1,1-Trichloroethane	1.990	2.235	-12.3	121	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
34 T	2-Butanone	0.706	0.701	0.7	106	0.00
35 T	Carbon Tetrachloride	0.759	0.912	-20.2	125	0.00
36 T	Benzene	0.958	1.018	-6.3	109	0.00
37 T	1,2-Dichloroethane	0.560	0.652	-16.4	119	0.00
38 T	Trichloroethene	0.375	0.406	-8.3	112	0.00
39 T	1,2-Dichloropropane	0.351	0.365	-4.0	106	0.00
40 T	1,4-Dioxane	0.158	0.137	13.3	94	0.00
41 T	Tetrahydrofuran	0.390	0.365	6.4	97	0.00
42 T	Bromodichloromethane	0.773	0.896	-15.9	117	0.00
43	Methyl Methacrylate	0.508	0.485	4.5	102	0.00
44 T	2,2,4-Trimethylpentane	1.645	1.686	-2.5	105	0.00
45 T	t-1,3-Dichloropropene	0.474	0.379	20.0	81	0.00
46 T	cis-1,3-Dichloropropene	0.556	0.466	16.2	85	0.00
47 T	1,1,2-Trichloroethane	0.372	0.409	-9.9	116	0.00
48 T	Dibromochloromethane	0.640	0.740	-15.6	116	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	Bromoform	0.566	0.655	-15.7	115	0.00
50 T	4-Methyl-2-Pentanone	0.994	0.916	7.8	94	0.00
51 T	2-Hexanone	0.772	0.665	13.9	88	0.00
52 T	Tetrachloroethene	0.356	0.373	-4.8	110	0.00
53 T	Toluene	1.134	1.132	0.2	102	0.00
54 T	1,2-Dibromoethane	0.547	0.552	-0.9	102	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
56	1,1,1,2-Tetrachloroethane	0.735	0.882	-20.0	119	0.00
57 T	Chlorobenzene	1.027	1.160	-13.0	110	0.00
58 T	Ethyl Benzene	1.925	2.087	-8.4	105	0.00
59 T	m/p-Xylene	1.543	1.711	-10.9	109	0.00
60 T	o-Xylene	1.542	1.735	-12.5	112	0.00
61 T	Styrene	0.675	0.662	1.9	94	0.00
62	Isopropylbenzene	2.758	3.083	-11.8	111	0.00
63 T	1,1,2,2-Tetrachloroethane	0.981	1.067	-8.8	110	0.00
64	n-propylbenzene	0.709	0.757	-6.8	106	0.00
65	tert-Butylbenzene	2.463	2.677	-8.7	110	0.00
66 T	Benzyl Chloride	0.250	0.129	48.4#	49	0.00
67	sec-Butylbenzene	3.438	3.757	-9.3	111	0.00
68 S	1-Bromo-4-Fluorobenzene	0.733	0.760	-3.7	95	0.00
69	p-Isopropyltoluene	2.912	3.094	-6.2	107	0.00
70	n-Butylbenzene	2.825	3.009	-6.5	104	0.00
71	2-Chlorotoluene	2.120	2.304	-8.7	108	0.00
72 T	4-Ethyltoluene	1.877	2.056	-9.5	108	0.00
73 T	1,3,5-Trimethylbenzene	1.575	1.732	-10.0	109	0.00
74 T	1,2,4-Trimethylbenzene	1.719	1.905	-10.8	113	0.00
75 T	1,3-Dichlorobenzene	1.003	1.125	-12.2	110	0.00
76 T	1,4-Dichlorobenzene	1.003	1.111	-10.8	108	0.00
77 T	1,2-Dichlorobenzene	0.965	1.074	-11.3	113	0.00
78 T	Hexachloro-1,3-Butadiene	0.805	0.843	-4.7	113	0.00
79 T	Naphthalene	1.527	1.581	-3.5	97	0.00
80 T	Naphthalene,2-methyl-	0.401	0.399	0.5	92	0.00
81 T	1,2,4-Trichlorobenzene	0.683	0.791	-15.8	107	0.00

(#) = Out of Range

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