

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
 Data File : VL043107.D
 Acq On : 14 Oct 2025 12:01
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025

Quant Time: Oct 15 01:52:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2025

QLast Update : Wed Oct 15 01:49:43 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.787	49	102307	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	336268	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	305409	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 235307 9.912 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.100%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.499	85	15620	1.074	ppbv	99
3) Chlorodifluoromethane	1.476	51	16692	1.061	ppbv #	91
4) Chloromethane	1.534	50	6353	1.103	ppbv	93
5) Vinyl Chloride	1.580	62	5694	1.008	ppbv	96
6) Bromomethane	1.667	94	3462	1.117	ppbv	98
7) Chloroethane	1.706	64	2615	1.132	ppbv #	82
8) Dichlorotetrafluoroethane	1.554	85	12940	1.101	ppbv	98
9) Propene	1.483	41	7291	1.045	ppbv	100
10) Heptane	4.978	43	22011	1.100	ppbv	99
11) Trichlorofluoromethane	1.877	101	14927	1.049	ppbv	85
12) 1,1,2-Trichlorotrifluo...	2.140	101	12484	1.090	ppbv	99
13) Ethanol	1.722	45	3143	1.217	ppbv	83
14) Bromoethene	1.780	108	4440	1.043	ppbv #	90
15) Acetone	1.835	43	15572	1.123	ppbv	90
16) 1,3-Butadiene	1.609	39	7157	1.089	ppbv	97
17) tert-Butyl alcohol	2.043	59	20941	1.106	ppbv #	90
18) 1,1-Dichloroethene	2.036	96	5510	1.103	ppbv	88
19) Isopropyl Alcohol	1.887	45	9796	1.141	ppbv #	85
20) Methylene Chloride	2.062	84	6261	1.149	ppbv	96
21) Allyl Chloride	2.094	41	10737	1.055	ppbv #	82
22) trans-1,2-Dichloroethene	2.340	96	7119	1.193	ppbv	92
23) Vinyl Acetate	2.463	43	19477	0.964	ppbv	99
24) 1,1-Dichloroethane	2.405	63	12656	1.097	ppbv #	94
25) Ethyl Acetate	2.832	43	37093	1.085	ppbv	98
26) Hexane	2.826	57	17152	1.089	ppbv	98
27) Carbon Disulfide	2.149	76	15760	1.092	ppbv #	60
28) Methyl tert-Butyl Ether	2.441	73	7847	1.095	ppbv #	87
29) Chloroform	2.845	83	24527	1.074	ppbv	90
30) Cyclohexane	3.855	84	14819	1.078	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	16311	1.084	ppbv	93
32) 1,1,1-Trichloroethane	3.366	97	24948	1.049	ppbv	98
34) 2-Butanone	2.557	43	23811	1.047	ppbv	100
35) Carbon Tetrachloride	3.761	117	24969	1.033	ppbv	93
36) Benzene	3.651	78	32940	1.040	ppbv	99
37) 1,2-Dichloroethane	3.217	62	19213	1.053	ppbv	100
38) Trichloroethene	4.544	130	13512	1.023	ppbv	96
39) 1,2-Dichloropropane	4.311	63	12435	1.073	ppbv	92
40) 1,4-Dioxane	4.593	88	5579m	1.077	ppbv	
41) Tetrahydrofuran	3.056	42	13251	1.044	ppbv	99
42) Bromodichloromethane	4.486	83	26069	1.032	ppbv #	94
43) Methyl Methacrylate	4.878	69	17195	1.064	ppbv	97
44) 2,2,4-Trimethylpentane	4.638	57	57382	1.084	ppbv	96
45) t-1,3-Dichloropropene	6.415	75	16874m	1.045	ppbv	

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QLast Update : Wed Oct 15 01:49:43 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	19830	1.029	ppbv	94
47) 1,1,2-Trichloroethane	6.577	97	12876	1.030	ppbv	98
48) Dibromochloromethane	7.383	129	21874	1.046	ppbv	97
49) Bromoform	9.480	173	17320	1.019	ppbv	96
50) 4-Methyl-2-Pentanone	5.752	43	33269m	1.061	ppbv	
51) 2-Hexanone	7.441	43	23817	1.018	ppbv #	95
52) Tetrachloroethene	8.224	164	12319	1.079	ppbv	91
53) Toluene	6.930	91	39079	1.040	ppbv	98
54) 1,2-Dibromoethane	7.652	107	19711	0.999	ppbv	88
56) 1,1,1,2-Tetrachloroethane	8.920	131	20279	1.053	ppbv	96
57) Chlorobenzene	8.920	112	30824	1.079	ppbv	97
58) Ethyl Benzene	9.351	91	55420	1.049	ppbv	96
59) m/p-Xylene	9.552	91	88998m	2.127	ppbv	
60) o-Xylene	9.963	91	44925	1.088	ppbv	100
61) Styrene	9.869	104	19809	1.063	ppbv	98
62) Isopropylbenzene	10.535	105	81579	1.093	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	28230	1.021	ppbv	100
64) n-propylbenzene	10.985	120	21685	1.098	ppbv	98
65) tert-Butylbenzene	11.529	119	72781	1.105	ppbv	99
66) Benzyl Chloride	11.613	91	7918	1.076	ppbv	97
67) sec-Butylbenzene	11.765	105	103152	1.103	ppbv	100
69) p-Isopropyltoluene	11.924	119	88443	1.113	ppbv	99
70) n-Butylbenzene	12.280	91	86120	1.100	ppbv	98
71) 2-Chlorotoluene	10.898	91	60994	1.072	ppbv	99
72) 4-Ethyltoluene	11.121	105	53788	1.059	ppbv	98
73) 1,3,5-Trimethylbenzene	11.202	105	44786	1.070	ppbv	98
74) 1,2,4-Trimethylbenzene	11.532	105	52118	1.112	ppbv	95
75) 1,3-Dichlorobenzene	11.604	146	29186	1.074	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	29225	1.066	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	29146	1.109	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	23330	1.146	ppbv	99
79) Naphthalene	13.510	128	53930	1.114	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	10851	0.849	ppbv	94
81) 1,2,4-Trichlorobenzene	13.439	180	22161	1.090	ppbv	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

