

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL093025\
 Data File : VL043018.D
 Acq On : 30 Sep 2025 09:04
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/01/2025
 Supervised By : Mahesh Dadoda 10/03/2025

Quant Time: Sep 30 23:55:34 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL093025AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Sep 30 23:54:02 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	152530	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	481572	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	435527	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 335426 10.167 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	245752	9.310	ppbv	100
3) Chlorodifluoromethane	1.476	51	262204	9.329	ppbv	100
4) Chloromethane	1.534	50	92804	9.263	ppbv	100
5) Vinyl Chloride	1.583	62	84772	8.723	ppbv	100
6) Bromomethane	1.670	94	33291	9.479	ppbv	100
7) Chloroethane	1.706	64	35300	9.099	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	204699	9.513	ppbv	100
9) Propene	1.486	41	105165	9.619	ppbv	100
10) Heptane	4.981	43	287980	10.213	ppbv	100
11) Trichlorofluoromethane	1.881	101	249489	9.379	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	199476	9.462	ppbv	100
13) Ethanol	1.722	45	8581	9.734	ppbv	94
14) Bromoethene	1.784	108	74341	9.462	ppbv	100
15) Acetone	1.835	43	173073	7.958	ppbv	100
16) 1,3-Butadiene	1.612	39	80901	8.787	ppbv	100
17) tert-Butyl alcohol	2.039	59	226585	9.324	ppbv	100
18) 1,1-Dichloroethene	2.036	96	88534	9.338	ppbv	100
19) Isopropyl Alcohol	1.887	45	116152	9.081	ppbv	100
20) Methylene Chloride	2.062	84	79529	9.205	ppbv	100
21) Allyl Chloride	2.098	41	140789	9.568	ppbv	100
22) trans-1,2-Dichloroethene	2.344	96	101892	9.493	ppbv	100
23) Vinyl Acetate	2.463	43	288833	9.613	ppbv	100
24) 1,1-Dichloroethane	2.412	63	190347	9.423	ppbv	100
25) Ethyl Acetate	2.836	43	508936	9.174	ppbv	100
26) Hexane	2.829	57	237594	8.234	ppbv	100
27) Carbon Disulfide	2.153	76	241656	9.522	ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	147599	10.450	ppbv	100
29) Chloroform	2.848	83	340691	9.489	ppbv	100
30) Cyclohexane	3.858	84	200066	10.067	ppbv	100
31) cis-1,2-Dichloroethene	2.722	61	228440	9.751	ppbv	100
32) 1,1,1-Trichloroethane	3.370	97	347995	9.568	ppbv	100
34) 2-Butanone	2.557	43	323504	9.541	ppbv	100
35) Carbon Tetrachloride	3.764	117	352910	9.030	ppbv	100
36) Benzene	3.658	78	467720	9.690	ppbv	100
37) 1,2-Dichloroethane	3.221	62	260052	9.429	ppbv	100
38) Trichloroethene	4.551	130	230117	9.304	ppbv	100
39) 1,2-Dichloropropane	4.315	63	167757	9.466	ppbv	100
40) 1,4-Dioxane	4.583	88	75431	10.035	ppbv #	100
41) Tetrahydrofuran	3.052	42	182673	10.116	ppbv	100
42) Bromodichloromethane	4.489	83	369811	9.653	ppbv	100
43) Methyl Methacrylate	4.881	69	178713	10.538	ppbv	100
44) 2,2,4-Trimethylpentane	4.642	57	768864	9.683	ppbv	100
45) t-1,3-Dichloropropene	6.415	75	201168	10.433	ppbv	100

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Sep 30 23:54:02 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	257695	10.245	ppbv	100
47) 1,1,2-Trichloroethane	6.584	97	181117	9.634	ppbv	100
48) Dibromochloromethane	7.389	129	318763	9.836	ppbv	100
49) Bromoform	9.484	173	279935	10.180	ppbv	100
50) 4-Methyl-2-Pentanone	5.745	43	437662	10.115	ppbv	100
51) 2-Hexanone	7.435	43	350573	10.995	ppbv	100
52) Tetrachloroethene	8.228	164	173739	9.030	ppbv	100
53) Toluene	6.936	91	541908	10.068	ppbv	100
54) 1,2-Dibromoethane	7.655	107	258052	9.836	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.927	131	234673	9.509	ppbv	100
57) Chlorobenzene	8.924	112	422421	9.409	ppbv	100
58) Ethyl Benzene	9.357	91	743277	10.068	ppbv	100
59) m/p-Xylene	9.552	91	1183211m	19.920	ppbv	
60) o-Xylene	9.966	91	592630	10.039	ppbv	100
61) Styrene	9.872	104	271562	10.868	ppbv	100
62) Isopropylbenzene	10.542	105	871327	9.913	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	293025	9.248	ppbv	100
64) n-propylbenzene	10.989	120	226471	9.886	ppbv	100
65) tert-Butylbenzene	11.532	119	776480	9.755	ppbv	100
66) Benzyl Chloride	11.617	91	69902	11.008	ppbv	100
67) sec-Butylbenzene	11.769	105	1059591	9.546	ppbv	100
69) p-Isopropyltoluene	11.927	119	912492	9.871	ppbv	100
70) n-Butylbenzene	12.283	91	899952	10.076	ppbv	100
71) 2-Chlorotoluene	10.901	91	651840	9.943	ppbv	100
72) 4-Ethyltoluene	11.128	105	736218	10.137	ppbv	100
73) 1,3,5-Trimethylbenzene	11.205	105	606727	9.908	ppbv	100
74) 1,2,4-Trimethylbenzene	11.539	105	666377	9.641	ppbv	100
75) 1,3-Dichlorobenzene	11.610	146	419914	9.510	ppbv	100
76) 1,4-Dichlorobenzene	11.672	146	417361	9.672	ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	399469	9.265	ppbv	100
78) Hexachloro-1,3-Butadiene	13.882	225	304210	8.822	ppbv	100
79) Naphthalene	13.513	128	644643	11.821	ppbv	100
80) Naphthalene,2-methyl-	14.458	142	163081	11.559	ppbv	100
81) 1,2,4-Trichlorobenzene	13.442	180	351051	10.616	ppbv	100

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

