

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091025\
 Data File : VL042923.D
 Acq On : 10 Sep 2025 11:15
 Operator : SY/MD
 Sample : VL0910ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/11/2025
 Supervised By : Mahesh Dadoda 09/11/2025

Quant Time: Sep 11 01:11:01 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

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

QLast Update : Tue Sep 09 00:52:26 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	144213	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	359262	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.881	117	297345	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 239057 10.720 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 107.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	221043	10.458	ppbv	100
3) Chlorodifluoromethane	1.473	51	242940	10.399	ppbv	98
4) Chloromethane	1.531	50	83483	9.788	ppbv	99
5) Vinyl Chloride	1.580	62	76726	9.134	ppbv	94
6) Bromomethane	1.667	94	31758	9.456	ppbv	97
7) Chloroethane	1.703	64	31204	9.512	ppbv	90
8) Dichlorotetrafluoroethane	1.554	85	174948	10.115	ppbv	97
9) Propene	1.479	41	9933m	0.985	ppbv	
10) Heptane	4.975	43	257575	9.532	ppbv	98
11) Trichlorofluoromethane	1.877	101	205050	9.833	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	150856	9.077	ppbv	99
13) Ethanol	1.722	45	7091	7.687	ppbv	94
14) Bromoethene	1.780	108	56638	9.413	ppbv	97
15) Acetone	1.835	43	158979	8.334	ppbv	99
16) 1,3-Butadiene	1.609	39	75764	8.761	ppbv	98
17) tert-Butyl alcohol	2.039	59	169191	7.479	ppbv	98
18) 1,1-Dichloroethene	2.033	96	70847	9.696	ppbv	98
19) Isopropyl Alcohol	1.884	45	95301	8.364	ppbv #	38
20) Methylene Chloride	2.059	84	59956	7.503	ppbv	89
21) Allyl Chloride	2.094	41	120472	8.939	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	81412	9.630	ppbv	94
23) Vinyl Acetate	2.463	43	243847	9.296	ppbv #	98
24) 1,1-Dichloroethane	2.408	63	162104	9.602	ppbv	99
25) Ethyl Acetate	2.835	43	455568	9.867	ppbv	98
26) Hexane	2.822	57	202096	9.483	ppbv	93
27) Carbon Disulfide	2.149	76	198034	9.549	ppbv	98
28) Methyl tert-Butyl Ether	2.437	73	87510	8.053	ppbv	95
29) Chloroform	2.848	83	299968	9.859	ppbv	98
30) Cyclohexane	3.855	84	162101	8.676	ppbv	94
31) cis-1,2-Dichloroethene	2.719	61	186454	8.759	ppbv	93
32) 1,1,1-Trichloroethane	3.366	97	276772	8.607	ppbv	96
34) 2-Butanone	2.557	43	285943	11.787	ppbv	97
35) Carbon Tetrachloride	3.761	117	284318	11.479	ppbv	97
36) Benzene	3.654	78	391321	11.375	ppbv	97
37) 1,2-Dichloroethane	3.217	62	224329	12.481	ppbv	98
38) Trichloroethene	4.544	130	161710	10.292	ppbv	98
39) 1,2-Dichloropropane	4.311	63	148506	11.819	ppbv	93
40) 1,4-Dioxane	4.583	88	59487	9.957	ppbv #	89
41) Tetrahydrofuran	3.052	42	153801	11.372	ppbv	97
42) Bromodichloromethane	4.486	83	324553	12.118	ppbv	99
43) Methyl Methacrylate	4.878	69	148932	10.509	ppbv	98
44) 2,2,4-Trimethylpentane	4.638	57	694873	11.900	ppbv	98
45) t-1,3-Dichloropropene	6.415	75	150074	9.383	ppbv	93

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

QLast Update : Tue Sep 09 00:52:26 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.599	75	208230	10.449	ppbv	99
47) 1,1,2-Trichloroethane	6.580	97	155939	11.714	ppbv	98
48) Dibromochloromethane	7.386	129	245474	11.395	ppbv	99
49) Bromoform	9.483	173	197231	11.102	ppbv	100
50) 4-Methyl-2-Pentanone	5.748	43	382819	11.675	ppbv	97
51) 2-Hexanone	7.435	43	302643	11.729	ppbv #	94
52) Tetrachloroethene	8.221	164	115064	9.245	ppbv	94
53) Toluene	6.933	91	421930	10.316	ppbv	99
54) 1,2-Dibromoethane	7.652	107	217893	11.200	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.924	131	183667	11.945	ppbv	97
57) Chlorobenzene	8.920	112	341190	12.068	ppbv	98
58) Ethyl Benzene	9.354	91	596255	11.363	ppbv	98
59) m/p-Xylene	9.551	91	985225m	23.955	ppbv	
60) o-Xylene	9.962	91	495429	11.975	ppbv	99
61) Styrene	9.872	104	200674	10.352	ppbv	100
62) Isopropylbenzene	10.539	105	702444	11.618	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.962	83	299163	13.149	ppbv	100
64) n-propylbenzene	10.989	120	180169	11.679	ppbv	91
65) tert-Butylbenzene	11.529	119	608720	11.420	ppbv	97
66) Benzyl Chloride	11.616	91	56398	8.335	ppbv	99
67) sec-Butylbenzene	11.769	105	890610	11.904	ppbv	98
69) p-Isopropyltoluene	11.924	119	719966	11.209	ppbv	99
70) n-Butylbenzene	12.280	91	773841	12.147	ppbv	97
71) 2-Chlorotoluene	10.901	91	532195	11.336	ppbv	97
72) 4-Ethyltoluene	11.124	105	586546	11.695	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	490288	11.495	ppbv	100
74) 1,2,4-Trimethylbenzene	11.535	105	552511	11.802	ppbv	95
75) 1,3-Dichlorobenzene	11.607	146	315165	11.842	ppbv	99
76) 1,4-Dichlorobenzene	11.671	146	311459	11.572	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	311221	11.942	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	178304	8.348	ppbv	99
79) Naphthalene	13.513	128	453434	10.683	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	121054	7.633	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	218326	10.235	ppbv	99

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

