

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110325\
 Data File : VL043142.D
 Acq On : 03 Nov 2025 11:37
 Operator : SY/MD
 Sample : VL1103ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1103ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 04 03:07:49 2025

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

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

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	117626	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	380679	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	337466	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 263369 10.041 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	169656	10.145	ppbv	99
3) Chlorodifluoromethane	1.476	51	179096	9.899	ppbv	98
4) Chloromethane	1.535	50	58168	8.781	ppbv	93
5) Vinyl Chloride	1.583	62	58683	9.031	ppbv	97
6) Bromomethane	1.671	94	34849	9.781	ppbv	96
7) Chloroethane	1.706	64	22576	8.498	ppbv	96
8) Dichlorotetrafluoroethane	1.557	85	137377	10.164	ppbv	92
9) Propene	1.486	41	71941	8.965	ppbv	99
10) Heptane	4.985	43	205286	8.886	ppbv	99
11) Trichlorofluoromethane	1.881	101	179074	10.948	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.140	101	138408	10.510	ppbv	93
13) Ethanol	1.722	45	21421	7.217	ppbv	98
14) Bromoethene	1.784	108	49926	10.205	ppbv	99
15) Acetone	1.836	43	139513	8.800	ppbv	100
16) 1,3-Butadiene	1.612	39	64472	8.533	ppbv	99
17) tert-Butyl alcohol	2.040	59	209860	9.643	ppbv	99
18) 1,1-Dichloroethene	2.036	96	59905	10.434	ppbv	86
19) Isopropyl Alcohol	1.887	45	84841	8.592	ppbv	94
20) Methylene Chloride	2.062	84	52423	8.365	ppbv	93
21) Allyl Chloride	2.098	41	107417	9.195	ppbv	96
22) trans-1,2-Dichloroethene	2.344	96	69683	10.154	ppbv	89
23) Vinyl Acetate	2.464	43	231081	9.950	ppbv #	98
24) 1,1-Dichloroethane	2.412	63	134077	10.112	ppbv	99
25) Ethyl Acetate	2.836	43	374117	9.516	ppbv	100
26) Hexane	2.829	57	174260	9.619	ppbv	96
27) Carbon Disulfide	2.153	76	168620	10.159	ppbv	95
28) Methyl tert-Butyl Ether	2.441	73	75460	9.156	ppbv	95
29) Chloroform	2.849	83	276140	10.520	ppbv	99
30) Cyclohexane	3.862	84	151500	9.581	ppbv	93
31) cis-1,2-Dichloroethene	2.722	61	180245	10.419	ppbv	98
32) 1,1,1-Trichloroethane	3.370	97	289049	10.574	ppbv	99
34) 2-Butanone	2.557	43	245117	9.579	ppbv	97
35) Carbon Tetrachloride	3.765	117	297649	10.875	ppbv	95
36) Benzene	3.658	78	362095	10.099	ppbv	98
37) 1,2-Dichloroethane	3.221	62	213929	10.357	ppbv	98
38) Trichloroethene	4.548	130	145247	9.700	ppbv	97
39) 1,2-Dichloropropane	4.318	63	127088	9.696	ppbv	97
40) 1,4-Dioxane	4.580	88	57050	9.726	ppbv #	95
41) Tetrahydrofuran	3.053	42	127277	8.893	ppbv	96
42) Bromodichloromethane	4.493	83	303172	10.605	ppbv	98
43) Methyl Methacrylate	4.878	69	171912	9.440	ppbv	96
44) 2,2,4-Trimethylpentane	4.642	57	576172	9.525	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	181316	9.922	ppbv	98

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

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	213049	9.759	ppbv	99
47) 1,1,2-Trichloroethane	6.581	97	139713	9.870	ppbv	92
48) Dibromochloromethane	7.386	129	251265	10.617	ppbv	100
49) Bromoform	9.484	173	216418	11.250	ppbv	99
50) 4-Methyl-2-Pentanone	5.745	43	317012	8.977	ppbv	99
51) 2-Hexanone	7.432	43	245085	9.253	ppbv #	100
52) Tetrachloroethene	8.225	164	131735	10.189	ppbv	94
53) Toluene	6.937	91	406164	9.545	ppbv	100
54) 1,2-Dibromoethane	7.655	107	218228	9.843	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.927	131	229480	10.787	ppbv	98
57) Chlorobenzene	8.924	112	309946	9.818	ppbv	99
58) Ethyl Benzene	9.358	91	573149	9.896	ppbv	100
59) m/p-Xylene	9.555	91	918397m	19.881	ppbv	
60) o-Xylene	9.966	91	448180	9.823	ppbv	100
61) Styrene	9.872	104	197748	9.601	ppbv	99
62) Isopropylbenzene	10.542	105	824726	10.004	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	286436	9.376	ppbv	100
64) n-propylbenzene	10.992	120	216631	9.925	ppbv	99
65) tert-Butylbenzene	11.533	119	697833	9.585	ppbv	98
66) Benzyl Chloride	11.617	91	73710	9.097	ppbv	98
67) sec-Butylbenzene	11.769	105	1003036	9.708	ppbv	99
69) p-Isopropyltoluene	11.927	119	848375	9.663	ppbv	100
70) n-Butylbenzene	12.284	91	836813	9.672	ppbv	99
71) 2-Chlorotoluene	10.901	91	617402	9.819	ppbv	99
72) 4-Ethyltoluene	11.128	105	559061	9.965	ppbv	100
73) 1,3,5-Trimethylbenzene	11.206	105	462460	9.996	ppbv	97
74) 1,2,4-Trimethylbenzene	11.539	105	501510	9.686	ppbv	93
75) 1,3-Dichlorobenzene	11.610	146	305516	10.174	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	309176	10.211	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	288307	9.925	ppbv	98
78) Hexachloro-1,3-Butadiene	13.882	225	218849	9.730	ppbv	99
79) Naphthalene	13.513	128	516413	9.543	ppbv	98
80) Naphthalene,2-methyl-	14.459	142	157236	11.152	ppbv	97
81) 1,2,4-Trichlorobenzene	13.442	180	233828	10.410	ppbv	99

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

