

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
 Data File : VL043182.D
 Acq On : 11 Nov 2025 09:44
 Operator : SY/MD
 Sample : VL1111ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1111ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025
 Supervised By :Mahesh Dadoda 11/13/2025

Quant Time: Nov 12 00:14:13 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	2.797	49	132945	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	371877	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	319598	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.386 95 253333 10.198 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	185561	9.818	ppbv	98
3) Chlorodifluoromethane	1.479	51	202722	9.914	ppbv	100
4) Chloromethane	1.538	50	63651	8.501	ppbv	98
5) Vinyl Chloride	1.586	62	63342	8.625	ppbv	98
6) Bromomethane	1.673	94	38774	9.628	ppbv	92
7) Chloroethane	1.709	64	25107	8.362	ppbv	99
8) Dichlorotetrafluoroethane	1.560	85	145490	9.524	ppbv	90
9) Propene	1.489	41	77698	8.567	ppbv	100
10) Heptane	5.001	43	245906	9.418	ppbv	98
11) Trichlorofluoromethane	1.884	101	196430	10.625	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.149	101	153358	10.304	ppbv	95
13) Ethanol	1.725	45	22602	6.737	ppbv	95
14) Bromoethene	1.787	108	54349	9.829	ppbv	97
15) Acetone	1.842	43	153795	8.583	ppbv	100
16) 1,3-Butadiene	1.615	39	69585	8.148	ppbv	97
17) tert-Butyl alcohol	2.046	59	214991	8.741	ppbv	99
18) 1,1-Dichloroethene	2.042	96	66205	10.203	ppbv	86
19) Isopropyl Alcohol	1.890	45	92615	8.299	ppbv	93
20) Methylene Chloride	2.068	84	58288	8.229	ppbv	90
21) Allyl Chloride	2.104	41	113692	8.610	ppbv	95
22) trans-1,2-Dichloroethene	2.350	96	76058	9.806	ppbv	91
23) Vinyl Acetate	2.470	43	277590	10.575	ppbv #	97
24) 1,1-Dichloroethane	2.418	63	145976	9.741	ppbv	99
25) Ethyl Acetate	2.842	43	437842	9.853	ppbv	99
26) Hexane	2.839	57	196817	9.612	ppbv	99
27) Carbon Disulfide	2.159	76	182505	9.728	ppbv	98
28) Methyl tert-Butyl Ether	2.447	73	78683	8.447	ppbv	95
29) Chloroform	2.858	83	299965	10.111	ppbv	97
30) Cyclohexane	3.871	84	154641	8.653	ppbv	98
31) cis-1,2-Dichloroethene	2.732	61	193687	9.906	ppbv	96
32) 1,1,1-Trichloroethane	3.379	97	294917	9.546	ppbv	99
34) 2-Butanone	2.564	43	295824	11.834	ppbv	99
35) Carbon Tetrachloride	3.777	117	300843	11.252	ppbv	95
36) Benzene	3.670	78	384993	10.992	ppbv	98
37) 1,2-Dichloroethane	3.230	62	231038	11.451	ppbv	98
38) Trichloroethene	4.564	130	143138	9.785	ppbv	95
39) 1,2-Dichloropropane	4.327	63	143822	11.232	ppbv	98
40) 1,4-Dioxane	4.596	88	58309	10.176	ppbv #	97
41) Tetrahydrofuran	3.062	42	151781	10.856	ppbv	97
42) Bromodichloromethane	4.506	83	317121	11.356	ppbv	99
43) Methyl Methacrylate	4.894	69	182788	10.275	ppbv	99
44) 2,2,4-Trimethylpentane	4.658	57	648709	10.978	ppbv	99
45) t-1,3-Dichloropropene	6.435	75	176159	9.868	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
 Data File : VL043182.D
 Acq On : 11 Nov 2025 09:44
 Operator : SY/MD
 Sample : VL1111ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1111ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/13/2025
 Supervised By : Mahesh Dadoda 11/13/2025

Quant Time: Nov 12 00:14:13 2025

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 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)
46) cis-1,3-Dichloropropene	5.619	75	218429	10.243	ppbv	98
47) 1,1,2-Trichloroethane	6.596	97	149388	10.804	ppbv	97
48) Dibromochloromethane	7.402	129	252486	10.921	ppbv	99
49) Bromoform	9.493	173	214024	11.389	ppbv	100
50) 4-Methyl-2-Pentanone	5.768	43	366734	10.630	ppbv	98
51) 2-Hexanone	7.448	43	276033	10.668	ppbv #	98
52) Tetrachloroethene	8.241	164	130356	10.321	ppbv	95
53) Toluene	6.949	91	418643	10.071	ppbv	98
54) 1,2-Dibromoethane	7.668	107	227323	10.496	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.936	131	233353	11.583	ppbv	99
57) Chlorobenzene	8.933	112	323899	10.833	ppbv	98
58) Ethyl Benzene	9.367	91	582083	10.612	ppbv	96
59) m/p-Xylene	9.561	91	957056m	21.876	ppbv	
60) o-Xylene	9.975	91	471216	10.905	ppbv	100
61) Styrene	9.882	104	194333	9.963	ppbv	99
62) Isopropylbenzene	10.548	105	849266	10.877	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.972	83	321950	11.128	ppbv	99
64) n-propylbenzene	10.998	120	219996	10.643	ppbv	93
65) tert-Butylbenzene	11.542	119	717705	10.409	ppbv	98
66) Benzyl Chloride	11.626	91	65105	8.484	ppbv	99
67) sec-Butylbenzene	11.778	105	1052044	10.751	ppbv	99
69) p-Isopropyltoluene	11.934	119	871080	10.476	ppbv	99
70) n-Butylbenzene	12.290	91	886686	10.821	ppbv	99
71) 2-Chlorotoluene	10.911	91	636102	10.682	ppbv	100
72) 4-Ethyltoluene	11.134	105	580283	10.922	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	480244	10.960	ppbv	95
74) 1,2,4-Trimethylbenzene	11.545	105	525205	10.711	ppbv	98
75) 1,3-Dichlorobenzene	11.616	146	319259	11.226	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	321653	11.217	ppbv	99
77) 1,2-Dichlorobenzene	11.956	146	305054	11.088	ppbv	98
78) Hexachloro-1,3-Butadiene	13.889	225	218622	10.263	ppbv	100
79) Naphthalene	13.523	128	521984	10.185	ppbv	98
80) Naphthalene,2-methyl-	14.468	142	137988	10.334	ppbv	97
81) 1,2,4-Trichlorobenzene	13.448	180	229167	10.773	ppbv	99

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

