

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101525\
 Data File : VL043122.D
 Acq On : 15 Oct 2025 15:57
 Operator : SY/MD
 Sample : VL1015ABSD01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1015ABSD01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/17/2025

Quant Time: Oct 16 01:19:11 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 02:12:58 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	91615	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	294311	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	260330	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 212144 10.484 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	146031	11.212	ppbv	100
3) Chlorodifluoromethane	1.479	51	132400	9.396	ppbv	93
4) Chloromethane	1.538	50	49080	9.512	ppbv	98
5) Vinyl Chloride	1.583	62	50236	9.926	ppbv	97
6) Bromomethane	1.670	94	29349	10.576	ppbv	99
7) Chloroethane	1.709	64	19982	9.657	ppbv	99
8) Dichlorotetrafluoroethane	1.557	85	112911	10.726	ppbv	97
9) Propene	1.486	41	48992	7.839	ppbv	98
10) Heptane	4.991	43	146679	8.152	ppbv	97
11) Trichlorofluoromethane	1.881	101	153762	12.069	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.146	101	115644	11.275	ppbv	96
13) Ethanol	1.725	45	17793	7.696	ppbv	94
14) Bromoethene	1.787	108	41213	10.816	ppbv	99
15) Acetone	1.839	43	118839	9.624	ppbv	97
16) 1,3-Butadiene	1.612	39	55311	9.399	ppbv	98
17) tert-Butyl alcohol	2.043	59	174619	10.302	ppbv	98
18) 1,1-Dichloroethene	2.039	96	51012	11.408	ppbv	87
19) Isopropyl Alcohol	1.887	45	73121	9.508	ppbv	99
20) Methylene Chloride	2.065	84	44858	9.190	ppbv	89
21) Allyl Chloride	2.101	41	90557	9.952	ppbv	91
22) trans-1,2-Dichloroethene	2.347	96	56333	10.539	ppbv	97
23) Vinyl Acetate	2.467	43	177669	9.822	ppbv	98
24) 1,1-Dichloroethane	2.415	63	113663	11.006	ppbv	99
25) Ethyl Acetate	2.839	43	271918	8.880	ppbv	99
26) Hexane	2.832	57	126655	8.976	ppbv	97
27) Carbon Disulfide	2.156	76	137853	10.663	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	69446	10.818	ppbv	96
29) Chloroform	2.855	83	214588	10.496	ppbv	100
30) Cyclohexane	3.865	84	112065	9.100	ppbv	92
31) cis-1,2-Dichloroethene	2.725	61	137648	10.216	ppbv	99
32) 1,1,1-Trichloroethane	3.376	97	226398	10.634	ppbv	99
34) 2-Butanone	2.560	43	180212	9.109	ppbv	96
35) Carbon Tetrachloride	3.771	117	228771	10.811	ppbv	96
36) Benzene	3.664	78	261070	9.418	ppbv	96
37) 1,2-Dichloroethane	3.224	62	171136	10.717	ppbv #	95
38) Trichloroethene	4.557	130	102021	8.813	ppbv	94
39) 1,2-Dichloropropane	4.321	63	91417	9.021	ppbv	94
40) 1,4-Dioxane	4.590	88	41071	9.057	ppbv #	96
41) Tetrahydrofuran	3.056	42	89968	8.131	ppbv	92
42) Bromodichloromethane	4.499	83	233460	10.563	ppbv	99
43) Methyl Methacrylate	4.888	69	127541	9.059	ppbv	98
44) 2,2,4-Trimethylpentane	4.651	57	414817	8.870	ppbv	98
45) t-1,3-Dichloropropene	6.425	75	138082	9.773	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101525\
 Data File : VL043122.D
 Acq On : 15 Oct 2025 15:57
 Operator : SY/MD
 Sample : VL1015ABSD01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1015ABSD01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/17/2025

Quant Time: Oct 16 01:19:11 2025

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

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	5.609	75	158488	9.390	ppbv	93
47) 1,1,2-Trichloroethane	6.593	97	102387	9.356	ppbv	93
48) Dibromochloromethane	7.393	129	183501	10.029	ppbv	98
49) Bromoform	9.490	173	150248	10.102	ppbv	100
50) 4-Methyl-2-Pentanone	5.755	43	233019	8.535	ppbv	98
51) 2-Hexanone	7.444	43	182931	8.933	ppbv #	100
52) Tetrachloroethene	8.234	164	88818	8.885	ppbv	93
53) Toluene	6.943	91	298271	9.066	ppbv	99
54) 1,2-Dibromoethane	7.661	107	162018	9.452	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.933	131	165501	10.085	ppbv	96
57) Chlorobenzene	8.930	112	225547	9.261	ppbv	95
58) Ethyl Benzene	9.364	91	432119	9.672	ppbv	96
59) m/p-Xylene	9.558	91	698130m	19.591	ppbv	
60) o-Xylene	9.972	91	339885	9.657	ppbv	97
61) Styrene	9.875	104	149479	9.408	ppbv	97
62) Isopropylbenzene	10.545	105	618625	9.727	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.969	83	211262	8.964	ppbv	97
64) n-propylbenzene	10.995	120	156132	9.273	ppbv	91
65) tert-Butylbenzene	11.539	119	516711	9.200	ppbv	94
66) Benzyl Chloride	11.620	91	54290	8.686	ppbv	98
67) sec-Butylbenzene	11.772	105	747469	9.378	ppbv	98
69) p-Isopropyltoluene	11.930	119	628190	9.275	ppbv	97
70) n-Butylbenzene	12.286	91	656970	9.843	ppbv	98
71) 2-Chlorotoluene	10.908	91	475356	9.800	ppbv	97
72) 4-Ethyltoluene	11.131	105	421655	9.743	ppbv	97
73) 1,3,5-Trimethylbenzene	11.209	105	350402	9.818	ppbv	95
74) 1,2,4-Trimethylbenzene	11.542	105	376592	9.429	ppbv	95
75) 1,3-Dichlorobenzene	11.613	146	220504	9.519	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	220451	9.438	ppbv	97
77) 1,2-Dichlorobenzene	11.953	146	205757	9.182	ppbv	98
78) Hexachloro-1,3-Butadiene	13.889	225	148058	8.533	ppbv	98
79) Naphthalene	13.520	128	422818	10.128	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	120171	11.049	ppbv	97
81) 1,2,4-Trichlorobenzene	13.445	180	168366	9.717	ppbv	99

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

