

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060525\
 Data File : VL042616.D
 Acq On : 05 Jun 2025 10:56
 Operator : SY/MD
 Sample : VL0605ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0605ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025

Quant Time: Jun 06 01:38:35 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

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

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	102194	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	268029	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	241140	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 191756 10.608 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	119998	9.554	ppbv	98
3) Chlorodifluoromethane	1.476	51	160926	9.303	ppbv	97
4) Chloromethane	1.531	50	46147	9.278	ppbv	100
5) Vinyl Chloride	1.580	62	44236	8.731	ppbv	98
6) Bromomethane	1.667	94	21360	8.661	ppbv	97
7) Chloroethane	1.703	64	17367	8.822	ppbv	99
8) Dichlorotetrafluoroethane	1.554	85	99214	9.480	ppbv	98
9) Propene	1.483	41	60975	8.753	ppbv	98
10) Heptane	4.978	43	178322	9.081	ppbv	100
11) Trichlorofluoromethane	1.878	101	115370	9.872	ppbv	99
12) 1,1,2-Trichlorotrifluoro...	2.140	101	86322	9.407	ppbv	97
13) Ethanol	1.722	45	4657	5.610	ppbv	94
14) Bromoethene	1.781	108	32629	9.453	ppbv	98
15) Acetone	1.836	43	96961	7.877	ppbv	98
16) 1,3-Butadiene	1.609	39	50791	8.710	ppbv	95
17) tert-Butyl alcohol	2.039	59	114043	8.893	ppbv	98
18) 1,1-Dichloroethene	2.033	96	39395	9.262	ppbv	96
19) Isopropyl Alcohol	1.884	45	64442	8.757	ppbv	98
20) Methylene Chloride	2.059	84	34250	8.431	ppbv	93
21) Allyl Chloride	2.094	41	77076	8.874	ppbv	98
22) trans-1,2-Dichloroethene	2.340	96	45356	9.547	ppbv	98
23) Vinyl Acetate	2.463	43	170857	10.268	ppbv #	97
24) 1,1-Dichloroethane	2.408	63	92472	9.460	ppbv	99
25) Ethyl Acetate	2.836	43	317046	9.412	ppbv	99
26) Hexane	2.826	57	136168	8.896	ppbv	95
27) Carbon Disulfide	2.150	76	109644	9.331	ppbv	95
28) Methyl tert-Butyl Ether	2.441	73	54102	8.710	ppbv	98
29) Chloroform	2.849	83	198724	9.983	ppbv	99
30) Cyclohexane	3.855	84	110635	8.718	ppbv	96
31) cis-1,2-Dichloroethene	2.719	61	132654	9.474	ppbv	96
32) 1,1,1-Trichloroethane	3.366	97	193227	9.501	ppbv	98
34) 2-Butanone	2.557	43	208953	10.932	ppbv	100
35) Carbon Tetrachloride	3.765	117	195562	11.053	ppbv	99
36) Benzene	3.658	78	273021	10.344	ppbv	97
37) 1,2-Dichloroethane	3.218	62	151559	11.554	ppbv	98
38) Trichloroethene	4.548	130	109759	9.783	ppbv	98
39) 1,2-Dichloropropane	4.315	63	102423	10.493	ppbv	97
40) 1,4-Dioxane	4.583	88	43825	10.034	ppbv #	73
41) Tetrahydrofuran	3.053	42	115430	10.317	ppbv	99
42) Bromodichloromethane	4.490	83	215587	11.571	ppbv	97
43) Methyl Methacrylate	4.881	69	105007	10.250	ppbv	99
44) 2,2,4-Trimethylpentane	4.642	57	468613	10.380	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	121185	10.338	ppbv	99

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

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

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	149286	10.163	ppbv	95
47) 1,1,2-Trichloroethane	6.584	97	106076	10.499	ppbv	91
48) Dibromochloromethane	7.390	129	172013	10.635	ppbv	99
49) Bromoform	9.487	173	147054	10.537	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	277969	10.485	ppbv	97
51) 2-Hexanone	7.441	43	224841	10.693	ppbv #	95
52) Tetrachloroethene	8.228	164	95084	9.641	ppbv	97
53) Toluene	6.936	91	304300	9.975	ppbv	100
54) 1,2-Dibromoethane	7.655	107	157984	10.564	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.927	131	128644	10.610	ppbv	98
57) Chlorobenzene	8.927	112	238439	10.183	ppbv	99
58) Ethyl Benzene	9.357	91	422642	10.333	ppbv	97
59) m/p-Xylene	9.555	91	683162m	21.223	ppbv	
60) o-Xylene	9.966	91	336084	10.469	ppbv	98
61) Styrene	9.875	104	152943	10.076	ppbv	98
62) Isopropylbenzene	10.542	105	494093	10.418	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	215101	10.537	ppbv	99
64) n-propylbenzene	10.992	120	129419	10.180	ppbv	93
65) tert-Butylbenzene	11.533	119	432174	10.041	ppbv	96
66) Benzyl Chloride	11.617	91	49930	9.012	ppbv	99
67) sec-Butylbenzene	11.769	105	619294	10.234	ppbv	98
69) p-Isopropyltoluene	11.927	119	518619	10.234	ppbv	99
70) n-Butylbenzene	12.283	91	533392	10.664	ppbv	98
71) 2-Chlorotoluene	10.905	91	377690	10.440	ppbv	97
72) 4-Ethyltoluene	11.128	105	418156	10.447	ppbv	98
73) 1,3,5-Trimethylbenzene	11.206	105	345311	10.424	ppbv	98
74) 1,2,4-Trimethylbenzene	11.539	105	384125	10.449	ppbv	96
75) 1,3-Dichlorobenzene	11.610	146	238334	10.324	ppbv	100
76) 1,4-Dichlorobenzene	11.675	146	239024	10.381	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	227856	10.170	ppbv	100
78) Hexachloro-1,3-Butadiene	13.882	225	168434	9.086	ppbv	99
79) Naphthalene	13.513	128	373656	10.783	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	184610	11.792	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	197629	10.217	ppbv	99

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

