

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062725\
 Data File : VL042672.D
 Acq On : 27 Jun 2025 10:01
 Operator : SY/MD
 Sample : VL0627ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0627ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025

Quant Time: Jun 27 23:01:28 2025

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

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

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	2.784	49	106951	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	276501	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	243742	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 192618 10.542 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	142954	10.876	ppbv	98
3) Chlorodifluoromethane	1.473	51	182823	10.099	ppbv	99
4) Chloromethane	1.531	50	55814	10.723	ppbv	99
5) Vinyl Chloride	1.580	62	50592	9.541	ppbv	100
6) Bromomethane	1.667	94	25688	9.953	ppbv	93
7) Chloroethane	1.703	64	20355	9.880	ppbv	93
8) Dichlorotetrafluoroethane	1.554	85	117162	10.697	ppbv	98
9) Propene	1.483	41	68729	9.427	ppbv	98
10) Heptane	4.972	43	200294	9.747	ppbv	100
11) Trichlorofluoromethane	1.874	101	152075	12.434	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	116870	12.169	ppbv	98
13) Ethanol	1.719	45	5567	6.407	ppbv	94
14) Bromoethene	1.780	108	40511	11.214	ppbv	97
15) Acetone	1.832	43	124984	9.702	ppbv	98
16) 1,3-Butadiene	1.609	39	55918	9.163	ppbv	99
17) tert-Butyl alcohol	2.036	59	140591	10.476	ppbv	99
18) 1,1-Dichloroethene	2.033	96	49315	11.078	ppbv	97
19) Isopropyl Alcohol	1.884	45	79068	10.267	ppbv	96
20) Methylene Chloride	2.059	84	43613	10.259	ppbv	97
21) Allyl Chloride	2.094	41	94866	10.437	ppbv	95
22) trans-1,2-Dichloroethene	2.337	96	57326	11.529	ppbv	96
23) Vinyl Acetate	2.460	43	229055	13.153	ppbv #	98
24) 1,1-Dichloroethane	2.405	63	115251	11.266	ppbv	98
25) Ethyl Acetate	2.829	43	360851	10.235	ppbv	99
26) Hexane	2.823	57	154267	9.630	ppbv	95
27) Carbon Disulfide	2.146	76	142775	11.610	ppbv	94
28) Methyl tert-Butyl Ether	2.438	73	77186	11.874	ppbv	95
29) Chloroform	2.845	83	229951	11.038	ppbv	99
30) Cyclohexane	3.852	84	122977	9.260	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	149858	10.227	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	218827	10.281	ppbv	99
34) 2-Butanone	2.554	43	233430	11.838	ppbv	100
35) Carbon Tetrachloride	3.758	117	221442	12.132	ppbv	97
36) Benzene	3.651	78	304476	11.182	ppbv	100
37) 1,2-Dichloroethane	3.214	62	172012	12.711	ppbv	98
38) Trichloroethene	4.545	130	119585	10.333	ppbv	92
39) 1,2-Dichloropropane	4.308	63	113456	11.268	ppbv	96
40) 1,4-Dioxane	4.574	88	51153	11.353	ppbv #	95
41) Tetrahydrofuran	3.049	42	125597	10.881	ppbv	99
42) Bromodichloromethane	4.483	83	239716	12.472	ppbv	98
43) Methyl Methacrylate	4.871	69	114121	10.799	ppbv	99
44) 2,2,4-Trimethylpentane	4.632	57	529719	11.374	ppbv	99
45) t-1,3-Dichloropropene	6.409	75	129839	10.737	ppbv	98

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Quant Title : AIR ANALYSIS BY METHOD TO-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	5.593	75	165832	10.944	ppbv	98
47) 1,1,2-Trichloroethane	6.574	97	121264	11.634	ppbv	96
48) Dibromochloromethane	7.383	129	190692	11.428	ppbv	99
49) Bromoform	9.480	173	169142	11.748	ppbv	99
50) 4-Methyl-2-Pentanone	5.745	43	310680	11.359	ppbv	98
51) 2-Hexanone	7.428	43	243780	11.239	ppbv #	96
52) Tetrachloroethene	8.221	164	103190	10.142	ppbv	99
53) Toluene	6.927	91	334285	10.622	ppbv	100
54) 1,2-Dibromoethane	7.645	107	177063	11.477	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.921	131	148442	12.112	ppbv	99
57) Chlorobenzene	8.917	112	268876	11.361	ppbv	97
58) Ethyl Benzene	9.351	91	468690	11.336	ppbv	94
59) m/p-Xylene	9.529	91	778438m	23.925	ppbv	
60) o-Xylene	9.959	91	384191	11.839	ppbv	97
61) Styrene	9.866	104	163212	10.638	ppbv	98
62) Isopropylbenzene	10.536	105	554283	11.562	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	250663	12.148	ppbv	99
64) n-propylbenzene	10.985	120	146849	11.427	ppbv	94
65) tert-Butylbenzene	11.529	119	486833	11.190	ppbv	96
66) Benzyl Chloride	11.613	91	51531	9.202	ppbv	100
67) sec-Butylbenzene	11.765	105	699608	11.438	ppbv	98
69) p-Isopropyltoluene	11.921	119	578855	11.301	ppbv	98
70) n-Butylbenzene	12.277	91	597699	11.822	ppbv	98
71) 2-Chlorotoluene	10.898	91	422724	11.560	ppbv	95
72) 4-Ethyltoluene	11.121	105	474718	11.734	ppbv	98
73) 1,3,5-Trimethylbenzene	11.199	105	390052	11.649	ppbv	92
74) 1,2,4-Trimethylbenzene	11.532	105	432083	11.628	ppbv #	90
75) 1,3-Dichlorobenzene	11.604	146	271976	11.655	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	268767	11.548	ppbv	99
77) 1,2-Dichlorobenzene	11.944	146	259764	11.470	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	184563	9.850	ppbv	99
79) Naphthalene	13.510	128	412498	11.777	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	185846	11.744	ppbv	99
81) 1,2,4-Trichlorobenzene	13.436	180	210303	10.756	ppbv	97

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

