

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061725\
 Data File : VL042643.D
 Acq On : 17 Jun 2025 12:04
 Operator : SY/MD
 Sample : VL0617ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 04:23:29 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	106303	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	273980	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	245847	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 192966 10.471 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	138190	10.577	ppbv	98
3) Chlorodifluoromethane	1.476	51	174964	9.724	ppbv	96
4) Chloromethane	1.534	50	51395	9.934	ppbv	95
5) Vinyl Chloride	1.580	62	48887	9.276	ppbv	99
6) Bromomethane	1.667	94	23959	9.340	ppbv	91
7) Chloroethane	1.706	64	19764	9.651	ppbv	95
8) Dichlorotetrafluoroethane	1.554	85	111214	10.216	ppbv	100
9) Propene	1.482	41	65876	9.091	ppbv	99
10) Heptane	4.985	43	195395	9.566	ppbv	99
11) Trichlorofluoromethane	1.877	101	139590	11.483	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	107639	11.276	ppbv	97
13) Ethanol	1.722	45	5371	6.220	ppbv	90
14) Bromoethene	1.784	108	37811	10.531	ppbv	99
15) Acetone	1.835	43	114243	8.922	ppbv	99
16) 1,3-Butadiene	1.609	39	56416	9.301	ppbv	95
17) tert-Butyl alcohol	2.039	59	131717	9.874	ppbv	99
18) 1,1-Dichloroethene	2.036	96	45738	10.338	ppbv	95
19) Isopropyl Alcohol	1.887	45	73381	9.586	ppbv	95
20) Methylene Chloride	2.062	84	40508	9.586	ppbv	96
21) Allyl Chloride	2.097	41	90243	9.989	ppbv	96
22) trans-1,2-Dichloroethene	2.340	96	51782	10.478	ppbv	97
23) Vinyl Acetate	2.463	43	197120	11.389	ppbv	98
24) 1,1-Dichloroethane	2.408	63	106705	10.494	ppbv	99
25) Ethyl Acetate	2.835	43	347832	9.926	ppbv	99
26) Hexane	2.826	57	151402	9.509	ppbv	97
27) Carbon Disulfide	2.152	76	129779	10.617	ppbv #	92
28) Methyl tert-Butyl Ether	2.441	73	60927	9.430	ppbv	100
29) Chloroform	2.848	83	224264	10.831	ppbv	94
30) Cyclohexane	3.858	84	121227	9.184	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	144082	9.892	ppbv	94
32) 1,1,1-Trichloroethane	3.369	97	216626	10.240	ppbv	98
34) 2-Butanone	2.557	43	226867	11.611	ppbv	99
35) Carbon Tetrachloride	3.764	117	216203	11.954	ppbv	99
36) Benzene	3.658	78	297577	11.030	ppbv	99
37) 1,2-Dichloroethane	3.221	62	170394	12.707	ppbv	98
38) Trichloroethene	4.551	130	120411	10.500	ppbv	93
39) 1,2-Dichloropropane	4.315	63	110071	11.032	ppbv	95
40) 1,4-Dioxane	4.586	88	47781	10.702	ppbv #	93
41) Tetrahydrofuran	3.055	42	123216	10.773	ppbv	99
42) Bromodichloromethane	4.493	83	236764	12.432	ppbv	99
43) Methyl Methacrylate	4.884	69	110859	10.587	ppbv	98
44) 2,2,4-Trimethylpentane	4.641	57	507673	11.000	ppbv	99
45) t-1,3-Dichloropropene	6.418	75	130720	10.909	ppbv	100

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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	5.603	75	161415	10.750	ppbv	98
47) 1,1,2-Trichloroethane	6.583	97	114840	11.119	ppbv	92
48) Dibromochloromethane	7.393	129	188535	11.403	ppbv	100
49) Bromoform	9.487	173	163142	11.435	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	297761	10.987	ppbv	98
51) 2-Hexanone	7.441	43	236708	11.013	ppbv #	97
52) Tetrachloroethene	8.228	164	100491	9.968	ppbv	99
53) Toluene	6.936	91	326779	10.479	ppbv	100
54) 1,2-Dibromoethane	7.655	107	168728	11.037	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.930	131	144980	11.728	ppbv	99
57) Chlorobenzene	8.924	112	258396	10.825	ppbv	96
58) Ethyl Benzene	9.357	91	456880	10.956	ppbv	98
59) m/p-Xylene	9.555	91	754061m	22.978	ppbv	
60) o-Xylene	9.969	91	370203	11.311	ppbv	97
61) Styrene	9.875	104	158495	10.242	ppbv	97
62) Isopropylbenzene	10.542	105	534524	11.054	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	235229	11.302	ppbv	100
64) n-propylbenzene	10.992	120	139016	10.725	ppbv	91
65) tert-Butylbenzene	11.532	119	470406	10.720	ppbv	95
66) Benzyl Chloride	11.616	91	49219	8.714	ppbv	99
67) sec-Butylbenzene	11.772	105	674413	10.932	ppbv	98
69) p-Isopropyltoluene	11.927	119	558874	10.818	ppbv	98
70) n-Butylbenzene	12.283	91	575500	11.285	ppbv	99
71) 2-Chlorotoluene	10.904	91	410339	11.125	ppbv	96
72) 4-Ethyltoluene	11.128	105	459294	11.255	ppbv	98
73) 1,3,5-Trimethylbenzene	11.205	105	377446	11.176	ppbv	96
74) 1,2,4-Trimethylbenzene	11.539	105	418758	11.173	ppbv #	91
75) 1,3-Dichlorobenzene	11.610	146	255758	10.866	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	256060	10.908	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	250305	10.958	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	176853	9.357	ppbv	99
79) Naphthalene	13.516	128	399837	11.317	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	196574	12.316	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	208429	10.569	ppbv	99

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

Manual Integrations

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[illegible]