

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062325\
 Data File : VL042665.D
 Acq On : 23 Jun 2025 10:42
 Operator : SY/MD
 Sample : VL0623ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0623ABS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 06:41:13 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	2.787	49	107779	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	274326	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	241948	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 190928 10.527 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	142077	10.726	ppbv	98
3) Chlorodifluoromethane	1.476	51	177220	9.714	ppbv	97
4) Chloromethane	1.534	50	53093	10.121	ppbv	97
5) Vinyl Chloride	1.580	62	49117	9.192	ppbv	99
6) Bromomethane	1.667	94	26018	10.004	ppbv	99
7) Chloroethane	1.706	64	20042	9.653	ppbv	91
8) Dichlorotetrafluoroethane	1.554	85	116448	10.550	ppbv	99
9) Propene	1.483	41	68891	9.377	ppbv	98
10) Heptane	4.985	43	196305	9.479	ppbv	98
11) Trichlorofluoromethane	1.877	101	149772	12.152	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	113968	11.776	ppbv	97
13) Ethanol	1.722	45	6155	7.030	ppbv	91
14) Bromoethene	1.784	108	39115	10.745	ppbv	99
15) Acetone	1.835	43	120044	9.247	ppbv	98
16) 1,3-Butadiene	1.609	39	59116	9.613	ppbv	94
17) tert-Butyl alcohol	2.039	59	135577	10.024	ppbv	100
18) 1,1-Dichloroethene	2.033	96	47492	10.587	ppbv	94
19) Isopropyl Alcohol	1.884	45	76582	9.868	ppbv #	41
20) Methylene Chloride	2.062	84	42343	9.883	ppbv	93
21) Allyl Chloride	2.098	41	92476	10.096	ppbv	96
22) trans-1,2-Dichloroethene	2.340	96	54708	10.918	ppbv	99
23) Vinyl Acetate	2.463	43	190609	10.862	ppbv #	98
24) 1,1-Dichloroethane	2.408	63	111954	10.859	ppbv	98
25) Ethyl Acetate	2.836	43	348038	9.796	ppbv	99
26) Hexane	2.829	57	151056	9.357	ppbv	97
27) Carbon Disulfide	2.149	76	136889	11.045	ppbv	94
28) Methyl tert-Butyl Ether	2.441	73	63194	9.647	ppbv	95
29) Chloroform	2.849	83	222416	10.595	ppbv	98
30) Cyclohexane	3.858	84	121851	9.105	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	143995	9.751	ppbv	98
32) 1,1,1-Trichloroethane	3.370	97	213727	9.964	ppbv	99
34) 2-Butanone	2.557	43	226678	11.587	ppbv	100
35) Carbon Tetrachloride	3.764	117	216696	11.966	ppbv	97
36) Benzene	3.658	78	298538	11.051	ppbv	98
37) 1,2-Dichloroethane	3.221	62	168905	12.580	ppbv	98
38) Trichloroethene	4.548	130	120060	10.456	ppbv	96
39) 1,2-Dichloropropane	4.318	63	110560	11.067	ppbv	97
40) 1,4-Dioxane	4.583	88	47991	10.736	ppbv #	97
41) Tetrahydrofuran	3.056	42	123509	10.785	ppbv	98
42) Bromodichloromethane	4.493	83	235473	12.348	ppbv	97
43) Methyl Methacrylate	4.884	69	109284	10.423	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	513745	11.118	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	126003	10.502	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	160738	10.692	ppbv	99
47) 1,1,2-Trichloroethane	6.584	97	117690	11.381	ppbv	95
48) Dibromochloromethane	7.386	129	188920	11.412	ppbv	99
49) Bromoform	9.487	173	159661	11.177	ppbv	100
50) 4-Methyl-2-Pentanone	5.755	43	297128	10.950	ppbv	99
51) 2-Hexanone	7.438	43	237176	11.021	ppbv #	96
52) Tetrachloroethene	8.231	164	100572	9.963	ppbv	97
53) Toluene	6.936	91	326793	10.467	ppbv	100
54) 1,2-Dibromoethane	7.655	107	170800	11.159	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.927	131	142888	11.745	ppbv	99
57) Chlorobenzene	8.927	112	261922	11.149	ppbv	100
58) Ethyl Benzene	9.361	91	453069	11.040	ppbv	95
59) m/p-Xylene	9.555	91	754783m	23.370	ppbv	
60) o-Xylene	9.969	91	368763	11.448	ppbv	98
61) Styrene	9.875	104	156470	10.274	ppbv	98
62) Isopropylbenzene	10.542	105	531696	11.173	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	236989	11.570	ppbv	100
64) n-propylbenzene	10.992	120	142174	11.146	ppbv	93
65) tert-Butylbenzene	11.536	119	472264	10.936	ppbv	95
66) Benzyl Chloride	11.617	91	48805	8.780	ppbv	98
67) sec-Butylbenzene	11.769	105	684011	11.266	ppbv	98
69) p-Isopropyltoluene	11.927	119	572124	11.253	ppbv	98
70) n-Butylbenzene	12.283	91	581467	11.586	ppbv	99
71) 2-Chlorotoluene	10.904	91	409787	11.289	ppbv	96
72) 4-Ethyltoluene	11.128	105	460615	11.470	ppbv	98
73) 1,3,5-Trimethylbenzene	11.206	105	381168	11.468	ppbv	94
74) 1,2,4-Trimethylbenzene	11.539	105	422626	11.458	ppbv	92
75) 1,3-Dichlorobenzene	11.610	146	263156	11.361	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	260649	11.283	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	253970	11.297	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	181811	9.775	ppbv	98
79) Naphthalene	13.513	128	399501	11.490	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	184419	11.740	ppbv	97
81) 1,2,4-Trichlorobenzene	13.442	180	204863	10.555	ppbv	99

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

