

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
 Data File : VL042790.D
 Acq On : 31 Jul 2025 10:15
 Operator : SY/MD
 Sample : VL0731ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2025
 Supervised By :Mahesh Dadoda 08/01/2025

Quant Time: Aug 01 01:13:17 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1 2025

QLast Update : Thu Jul 24 05:24:41 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	140975	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	391458	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	349880	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.384 95 284130 10.254 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	179092	9.608	ppbv	98
3) Chlorodifluoromethane	1.476	51	243995	10.049	ppbv	99
4) Chloromethane	1.535	50	73605	9.761	ppbv	95
5) Vinyl Chloride	1.583	62	63029	8.460	ppbv	92
6) Bromomethane	1.671	94	25942	9.007	ppbv	99
7) Chloroethane	1.706	64	25445	8.839	ppbv	94
8) Dichlorotetrafluoroethane	1.557	85	144815	9.447	ppbv	98
9) Propene	1.486	41	87288	9.891	ppbv	100
10) Heptane	4.991	43	255178	10.724	ppbv	98
11) Trichlorofluoromethane	1.881	101	178945	9.314	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	137912	9.446	ppbv	99
13) Ethanol	1.722	45	6331	8.701	ppbv	97
14) Bromoethene	1.784	108	49330	9.543	ppbv	99
15) Acetone	1.839	43	147760	7.590	ppbv	99
16) 1,3-Butadiene	1.612	39	74826	9.012	ppbv	98
17) tert-Butyl alcohol	2.043	59	157784	8.987	ppbv	100
18) 1,1-Dichloroethene	2.036	96	59478	9.016	ppbv	96
19) Isopropyl Alcohol	1.887	45	91274	8.823	ppbv	94
20) Methylene Chloride	2.065	84	51356	8.372	ppbv	94
21) Allyl Chloride	2.098	41	117287	9.776	ppbv	98
22) trans-1,2-Dichloroethene	2.344	96	67541	9.517	ppbv	98
23) Vinyl Acetate	2.467	43	270452	11.460	ppbv	98
24) 1,1-Dichloroethane	2.412	63	137263	9.423	ppbv	98
25) Ethyl Acetate	2.839	43	453552	10.526	ppbv	99
26) Hexane	2.829	57	195021	10.318	ppbv	98
27) Carbon Disulfide	2.153	76	165318	10.216	ppbv	96
28) Methyl tert-Butyl Ether	2.444	73	86612	9.699	ppbv	97
29) Chloroform	2.852	83	300921	10.303	ppbv	97
30) Cyclohexane	3.865	84	165101	10.299	ppbv	97
31) cis-1,2-Dichloroethene	2.726	61	194661	10.022	ppbv	97
32) 1,1,1-Trichloroethane	3.376	97	293497	9.647	ppbv	98
34) 2-Butanone	2.561	43	298296	10.758	ppbv	100
35) Carbon Tetrachloride	3.771	117	312530	10.748	ppbv	99
36) Benzene	3.664	78	390877	10.536	ppbv	99
37) 1,2-Dichloroethane	3.224	62	236656	10.589	ppbv	99
38) Trichloroethene	4.558	130	174246	9.776	ppbv	97
39) 1,2-Dichloropropane	4.321	63	144288	10.536	ppbv	98
40) 1,4-Dioxane	4.590	88	54856	8.594	ppbv #	89
41) Tetrahydrofuran	3.059	42	161537	11.448	ppbv	98
42) Bromodichloromethane	4.496	83	321891	11.059	ppbv #	99
43) Methyl Methacrylate	4.888	69	151803	11.512	ppbv	98
44) 2,2,4-Trimethylpentane	4.648	57	672509	11.121	ppbv	100
45) t-1,3-Dichloropropene	6.425	75	165606	11.199	ppbv	90

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 01 11:11:50 2025

QLast Update : Thu Jul 24 05:24:41 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	208804	11.143	ppbv	97
47) 1,1,2-Trichloroethane	6.594	97	154552	10.587	ppbv	97
48) Dibromochloromethane	7.399	129	261380	11.278	ppbv	99
49) Bromoform	9.494	173	231022	11.433	ppbv	99
50) 4-Methyl-2-Pentanone	5.762	43	402543	11.270	ppbv	99
51) 2-Hexanone	7.445	43	321076	11.895	ppbv #	99
52) Tetrachloroethene	8.238	164	145761	9.479	ppbv	96
53) Toluene	6.943	91	439867	11.041	ppbv	100
54) 1,2-Dibromoethane	7.665	107	225399	10.928	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.934	131	198394	10.906	ppbv	100
57) Chlorobenzene	8.930	112	351678	10.386	ppbv #	96
58) Ethyl Benzene	9.364	91	614495	11.121	ppbv	99
59) m/p-Xylene	9.562	91	1004952m	22.758	ppbv	
60) o-Xylene	9.976	91	493686	11.188	ppbv	99
61) Styrene	9.879	104	211712	11.406	ppbv	99
62) Isopropylbenzene	10.549	105	716413	11.007	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	288264	10.176	ppbv	98
64) n-propylbenzene	10.995	120	190663	11.237	ppbv	100
65) tert-Butylbenzene	11.539	119	654563	11.322	ppbv	99
66) Benzyl Chloride	11.623	91	63429	13.365	ppbv	98
67) sec-Butylbenzene	11.775	105	909814	11.065	ppbv	99
69) p-Isopropyltoluene	11.931	119	774561	11.553	ppbv	100
70) n-Butylbenzene	12.287	91	785569	12.130	ppbv	99
71) 2-Chlorotoluene	10.908	91	556610	11.153	ppbv	99
72) 4-Ethyltoluene	11.131	105	618091	11.729	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	515043	11.871	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	570715	12.057	ppbv	93
75) 1,3-Dichlorobenzene	11.614	146	360095	10.852	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	366048	11.273	ppbv	98
77) 1,2-Dichlorobenzene	11.953	146	351242	10.770	ppbv	98
78) Hexachloro-1,3-Butadiene	13.886	225	281564	9.538	ppbv	99
79) Naphthalene	13.520	128	540121	10.494	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	221690	8.786	ppbv	100
81) 1,2,4-Trichlorobenzene	13.446	180	305698	10.565	ppbv	100

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

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

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Response via : Initial Calibration

