

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
 Data File : VL042794.D
 Acq On : 31 Jul 2025 13:55
 Operator : SY/MD
 Sample : VL0731ABSD01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABSD01

Manual Integrations
 APPROVED

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

Quant Time: Aug 01 01:15:48 2025

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

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

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	2.790	49	143361	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	385270	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	347681	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 285966 10.386 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	183911	9.703	ppbv	98
3) Chlorodifluoromethane	1.476	51	250299	10.137	ppbv	99
4) Chloromethane	1.534	50	70831	9.237	ppbv	97
5) Vinyl Chloride	1.580	62	63417	8.370	ppbv	98
6) Bromomethane	1.670	94	26564	9.069	ppbv	92
7) Chloroethane	1.706	64	25813	8.818	ppbv	96
8) Dichlorotetrafluoroethane	1.554	85	145635	9.343	ppbv	99
9) Propene	1.482	41	67742	7.549	ppbv	90
10) Heptane	4.988	43	256581	10.604	ppbv	98
11) Trichlorofluoromethane	1.877	101	175951	9.005	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.140	101	139531	9.398	ppbv	99
13) Ethanol	1.722	45	6169	8.289	ppbv	96
14) Bromoethene	1.783	108	47516	9.039	ppbv	97
15) Acetone	1.835	43	145544	7.352	ppbv	99
16) 1,3-Butadiene	1.609	39	75425	8.933	ppbv	100
17) tert-Butyl alcohol	2.042	59	157530	8.823	ppbv	99
18) 1,1-Dichloroethene	2.036	96	59735	8.904	ppbv	92
19) Isopropyl Alcohol	1.887	45	89890	8.545	ppbv	94
20) Methylene Chloride	2.062	84	53184	8.525	ppbv	92
21) Allyl Chloride	2.097	41	113975	9.342	ppbv	98
22) trans-1,2-Dichloroethene	2.343	96	66660	9.237	ppbv	90
23) Vinyl Acetate	2.463	43	267217	11.134	ppbv	99
24) 1,1-Dichloroethane	2.411	63	136610	9.222	ppbv	99
25) Ethyl Acetate	2.839	43	450028	10.270	ppbv	99
26) Hexane	2.829	57	193724	10.078	ppbv	98
27) Carbon Disulfide	2.152	76	164945	10.023	ppbv	97
28) Methyl tert-Butyl Ether	2.444	73	81968	9.026	ppbv	99
29) Chloroform	2.852	83	302251	10.176	ppbv	100
30) Cyclohexane	3.865	84	158206	9.705	ppbv	93
31) cis-1,2-Dichloroethene	2.722	61	189601	9.599	ppbv	95
32) 1,1,1-Trichloroethane	3.373	97	297175	9.605	ppbv	98
34) 2-Butanone	2.560	43	293015	10.737	ppbv	100
35) Carbon Tetrachloride	3.768	117	315193	11.014	ppbv	97
36) Benzene	3.661	78	389839	10.677	ppbv	99
37) 1,2-Dichloroethane	3.224	62	236593	10.756	ppbv	100
38) Trichloroethene	4.557	130	174966	9.974	ppbv	97
39) 1,2-Dichloropropane	4.318	63	144769	10.741	ppbv	99
40) 1,4-Dioxane	4.590	88	61985	9.866	ppbv #	97
41) Tetrahydrofuran	3.059	42	157948	11.374	ppbv	97
42) Bromodichloromethane	4.496	83	324724	11.336	ppbv	98
43) Methyl Methacrylate	4.887	69	147145	11.338	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	673176	11.311	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	159751	10.976	ppbv	96

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 01 11:13:20 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	5.609	75	205816	11.160	ppbv	97
47) 1,1,2-Trichloroethane	6.590	97	156216	10.873	ppbv	98
48) Dibromochloromethane	7.396	129	262522	11.510	ppbv	99
49) Bromoform	9.493	173	234893	11.811	ppbv	99
50) 4-Methyl-2-Pentanone	5.761	43	403132	11.467	ppbv	98
51) 2-Hexanone	7.441	43	322822	12.152	ppbv #	98
52) Tetrachloroethene	8.234	164	144051	9.518	ppbv	94
53) Toluene	6.943	91	436601	11.135	ppbv	99
54) 1,2-Dibromoethane	7.661	107	226779	11.172	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.930	131	199484	11.035	ppbv	99
57) Chlorobenzene	8.930	112	353946	10.519	ppbv	97
58) Ethyl Benzene	9.364	91	615615	11.212	ppbv	100
59) m/p-Xylene	9.558	91	1021929m	23.289	ppbv	
60) o-Xylene	9.969	91	509306	11.615	ppbv	99
61) Styrene	9.878	104	217878	11.813	ppbv	99
62) Isopropylbenzene	10.545	105	731077	11.304	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.969	83	290577	10.323	ppbv	99
64) n-propylbenzene	10.995	120	196210	11.637	ppbv	100
65) tert-Butylbenzene	11.535	119	656497	11.427	ppbv	99
66) Benzyl Chloride	11.623	91	64301	13.634	ppbv	99
67) sec-Butylbenzene	11.772	105	929357	11.374	ppbv	100
69) p-Isopropyltoluene	11.930	119	783925	11.766	ppbv	100
70) n-Butylbenzene	12.286	91	802758	12.474	ppbv	99
71) 2-Chlorotoluene	10.908	91	560672	11.306	ppbv	99
72) 4-Ethyltoluene	11.131	105	622768	11.893	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	522269	12.114	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	576097	12.248	ppbv	97
75) 1,3-Dichlorobenzene	11.613	146	370097	11.224	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	365448	11.326	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	357874	11.043	ppbv	98
78) Hexachloro-1,3-Butadiene	13.885	225	289316	9.863	ppbv	99
79) Naphthalene	13.516	128	552592	10.791	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	210490	8.445	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	310917	10.803	ppbv	99

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

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