

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042733.D
 Acq On : 22 Jul 2025 16:32
 Operator : SY/MD
 Sample : VL0722ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0722ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

Quant Time: Jul 23 03:02:33 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M

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

QLast Update : Wed Jul 23 02:51:39 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	97823	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	290819	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	268264	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 225022 10.378 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	143536	9.399	ppbv	96
3) Chlorodifluoromethane	1.476	51	162590	9.414	ppbv	100
4) Chloromethane	1.534	50	59683	9.544	ppbv	98
5) Vinyl Chloride	1.583	62	50815	8.226	ppbv	96
6) Bromomethane	1.670	94	21272	8.509	ppbv	92
7) Chloroethane	1.706	64	20227	8.612	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	115022	8.930	ppbv	99
9) Propene	1.486	41	55388	9.039	ppbv	96
10) Heptane	4.981	43	157605	9.248	ppbv	98
11) Trichlorofluoromethane	1.877	101	143830	9.152	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.143	101	112187	9.123	ppbv	99
13) Ethanol	1.722	45	5737	5.565	ppbv	91
14) Bromoethene	1.784	108	39398	8.986	ppbv	100
15) Acetone	1.835	43	122258	7.464	ppbv	97
16) 1,3-Butadiene	1.612	39	60681	8.650	ppbv	99
17) tert-Butyl alcohol	2.043	59	137907	8.867	ppbv	98
18) 1,1-Dichloroethene	2.036	96	48434	9.262	ppbv	93
19) Isopropyl Alcohol	1.887	45	78421	9.034	ppbv	98
20) Methylene Chloride	2.062	84	42708	8.295	ppbv	92
21) Allyl Chloride	2.098	41	96083	9.151	ppbv	96
22) trans-1,2-Dichloroethene	2.344	96	54842	9.142	ppbv	87
23) Vinyl Acetate	2.463	43	178206	9.543	ppbv	98
24) 1,1-Dichloroethane	2.412	63	111347	9.281	ppbv	99
25) Ethyl Acetate	2.836	43	290508	9.611	ppbv	99
26) Hexane	2.829	57	126516	9.541	ppbv	99
27) Carbon Disulfide	2.153	76	133103	9.398	ppbv #	86
28) Methyl tert-Butyl Ether	2.441	73	82264	10.672	ppbv	95
29) Chloroform	2.852	83	208004	9.500	ppbv	99
30) Cyclohexane	3.858	84	109684	9.480	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	134759	9.439	ppbv	96
32) 1,1,1-Trichloroethane	3.370	97	219257	9.510	ppbv	99
34) 2-Butanone	2.557	43	192160	9.596	ppbv	99
35) Carbon Tetrachloride	3.764	117	224904	9.439	ppbv	94
36) Benzene	3.658	78	257369	9.526	ppbv	96
37) 1,2-Dichloroethane	3.221	62	172489	10.009	ppbv	99
38) Trichloroethene	4.551	130	120693	9.163	ppbv	94
39) 1,2-Dichloropropane	4.318	63	94386	9.382	ppbv	96
40) 1,4-Dioxane	4.583	88	43593	9.098	ppbv #	96
41) Tetrahydrofuran	3.056	42	100664	9.970	ppbv	98
42) Bromodichloromethane	4.493	83	228958	10.156	ppbv	100
43) Methyl Methacrylate	4.881	69	103186	9.942	ppbv	95
44) 2,2,4-Trimethylpentane	4.645	57	427143	9.632	ppbv	98
45) t-1,3-Dichloropropene	6.422	75	125243	9.828	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	152104	10.034	ppbv	98
47) 1,1,2-Trichloroethane	6.584	97	102620	9.306	ppbv	95
48) Dibromochloromethane	7.393	129	185773	10.142	ppbv	99
49) Bromoform	9.490	173	166279	10.514	ppbv	99
50) 4-Methyl-2-Pentanone	5.752	43	257624	9.816	ppbv	99
51) 2-Hexanone	7.438	43	210937	10.078	ppbv	99
52) Tetrachloroethene	8.231	164	100199	9.203	ppbv	99
53) Toluene	6.940	91	299782	9.841	ppbv	100
54) 1,2-Dibromoethane	7.658	107	153862	9.376	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.930	131	139123	9.626	ppbv	98
57) Chlorobenzene	8.924	112	237132	9.280	ppbv	97
58) Ethyl Benzene	9.357	91	430280	9.601	ppbv	100
59) m/p-Xylene	9.555	91	698653m	19.489	ppbv	
60) o-Xylene	9.969	91	349644	9.660	ppbv	100
61) Styrene	9.875	104	155696	9.986	ppbv	99
62) Isopropylbenzene	10.542	105	506806	9.418	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	188186	9.093	ppbv	99
64) n-propylbenzene	10.992	120	129876	9.568	ppbv	99
65) tert-Butylbenzene	11.536	119	454274	9.434	ppbv	100
66) Benzyl Chloride	11.620	91	49022	10.703	ppbv	97
67) sec-Butylbenzene	11.769	105	639426	9.667	ppbv	100
69) p-Isopropyltoluene	11.927	119	544843	9.835	ppbv	100
70) n-Butylbenzene	12.283	91	548863	10.366	ppbv	99
71) 2-Chlorotoluene	10.904	91	390805	9.581	ppbv	99
72) 4-Ethyltoluene	11.128	105	435847	10.097	ppbv	100
73) 1,3,5-Trimethylbenzene	11.205	105	364240	10.202	ppbv	98
74) 1,2,4-Trimethylbenzene	11.539	105	394467	10.071	ppbv	99
75) 1,3-Dichlorobenzene	11.610	146	247613	9.453	ppbv	97
76) 1,4-Dichlorobenzene	11.675	146	250979	9.905	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	238567	9.500	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	203981	8.345	ppbv	99
79) Naphthalene	13.516	128	397198	13.555	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	195754	20.301	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	219493	12.282	ppbv	100

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

Manual Integrations

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