

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
 Data File : VL042759.D
 Acq On : 24 Jul 2025 10:57
 Operator : SY/MD
 Sample : VL0724ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0724ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/25/2025
 Supervised By :Mahesh Dadoda 07/25/2025

Quant Time: Jul 25 01:24:02 2025

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

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

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	2.784	49	147044	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	409745	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	372748	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 301860 10.226 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	180968	9.308	ppbv	100
3) Chlorodifluoromethane	1.473	51	242102	9.559	ppbv	100
4) Chloromethane	1.531	50	73859	9.390	ppbv	96
5) Vinyl Chloride	1.577	62	63036	8.112	ppbv	98
6) Bromomethane	1.667	94	28082	9.347	ppbv	93
7) Chloroethane	1.703	64	24726	8.235	ppbv #	86
8) Dichlorotetrafluoroethane	1.551	85	144903	9.063	ppbv	98
9) Propene	1.483	41	84555	9.186	ppbv	98
10) Heptane	4.972	43	246854	9.946	ppbv	99
11) Trichlorofluoromethane	1.874	101	185482	9.255	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.137	101	145000	9.521	ppbv	97
13) Ethanol	1.719	45	7271	9.697	ppbv	95
14) Bromoethene	1.781	108	49468	9.174	ppbv	98
15) Acetone	1.832	43	151299	7.451	ppbv	98
16) 1,3-Butadiene	1.606	39	76114	8.788	ppbv	98
17) tert-Butyl alcohol	2.036	59	163459	8.926	ppbv	96
18) 1,1-Dichloroethene	2.030	96	60208	8.750	ppbv	94
19) Isopropyl Alcohol	1.884	45	96416	8.936	ppbv #	40
20) Methylene Chloride	2.059	84	52131	8.147	ppbv	97
21) Allyl Chloride	2.091	41	119495	9.549	ppbv	98
22) trans-1,2-Dichloroethene	2.337	96	68496	9.253	ppbv	98
23) Vinyl Acetate	2.460	43	238863	9.704	ppbv	98
24) 1,1-Dichloroethane	2.405	63	140101	9.221	ppbv	98
25) Ethyl Acetate	2.829	43	435118	9.681	ppbv	100
26) Hexane	2.823	57	191824	9.730	ppbv	98
27) Carbon Disulfide	2.146	76	166394	9.858	ppbv	96
28) Methyl tert-Butyl Ether	2.438	73	80712	8.666	ppbv	99
29) Chloroform	2.845	83	296040	9.717	ppbv	97
30) Cyclohexane	3.852	84	162375	9.711	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	193439	9.548	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	293531	9.250	ppbv	99
34) 2-Butanone	2.551	43	288013	9.923	ppbv	100
35) Carbon Tetrachloride	3.758	117	313003	10.284	ppbv	96
36) Benzene	3.651	78	382210	9.842	ppbv	99
37) 1,2-Dichloroethane	3.214	62	237484	10.152	ppbv	100
38) Trichloroethene	4.541	130	170959	9.164	ppbv	96
39) 1,2-Dichloropropane	4.308	63	141270	9.855	ppbv	95
40) 1,4-Dioxane	4.574	88	64606	9.669	ppbv #	94
41) Tetrahydrofuran	3.049	42	155794	10.549	ppbv	98
42) Bromodichloromethane	4.483	83	319463	10.486	ppbv	97
43) Methyl Methacrylate	4.872	69	149548	10.835	ppbv	98
44) 2,2,4-Trimethylpentane	4.632	57	652445	10.308	ppbv	99
45) t-1,3-Dichloropropene	6.406	75	166529	10.759	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	209089	10.660	ppbv	93
47) 1,1,2-Trichloroethane	6.581	97	152989	10.012	ppbv	92
48) Dibromochloromethane	7.383	129	261055	10.762	ppbv	100
49) Bromoform	9.481	173	232332	10.984	ppbv	100
50) 4-Methyl-2-Pentanone	5.739	43	383204	10.249	ppbv	100
51) 2-Hexanone	7.429	43	311933	11.041	ppbv #	99
52) Tetrachloroethene	8.222	164	143808	8.934	ppbv	97
53) Toluene	6.927	91	429910	10.310	ppbv	100
54) 1,2-Dibromoethane	7.649	107	221820	10.275	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.921	131	194327	10.027	ppbv	100
57) Chlorobenzene	8.917	112	348937	9.673	ppbv #	95
58) Ethyl Benzene	9.351	91	615722	10.460	ppbv	99
59) m/p-Xylene	9.549	91	995499m	21.161	ppbv	
60) o-Xylene	9.960	91	493768	10.504	ppbv	100
61) Styrene	9.869	104	216283	10.938	ppbv	99
62) Isopropylbenzene	10.536	105	718669	10.365	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.960	83	285543	9.462	ppbv	100
64) n-propylbenzene	10.986	120	192364	10.641	ppbv	98
65) tert-Butylbenzene	11.529	119	644135	10.458	ppbv	98
66) Benzyl Chloride	11.614	91	58462	11.562	ppbv	99
67) sec-Butylbenzene	11.766	105	905326	10.335	ppbv	99
69) p-Isopropyltoluene	11.921	119	774218	10.839	ppbv	99
70) n-Butylbenzene	12.277	91	795999	11.537	ppbv	99
71) 2-Chlorotoluene	10.898	91	554642	10.432	ppbv	100
72) 4-Ethyltoluene	11.122	105	616153	10.975	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	511323	11.062	ppbv	98
74) 1,2,4-Trimethylbenzene	11.533	105	567154	11.247	ppbv	94
75) 1,3-Dichlorobenzene	11.604	146	359124	10.158	ppbv	100
76) 1,4-Dichlorobenzene	11.669	146	366455	10.593	ppbv	98
77) 1,2-Dichlorobenzene	11.944	146	349845	10.069	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	286338	9.105	ppbv	100
79) Naphthalene	13.510	128	571679	10.428	ppbv	99
80) Naphthalene,2-methyl-	14.452	142	262069	9.625	ppbv	98
81) 1,2,4-Trichlorobenzene	13.436	180	313681	10.192	ppbv	100

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

