

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072925\
 Data File : VL042775.D
 Acq On : 29 Jul 2025 10:03
 Operator : SY/MD
 Sample : VL0729ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0729ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/30/2025
 Supervised By :Mahesh Dadoda 07/30/2025

Quant Time: Jul 30 01:07:10 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	2.787	49	147720	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	406248	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	362182	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 300507 10.477 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	178467	9.138	ppbv	99
3) Chlorodifluoromethane	1.476	51	252532	9.926	ppbv	98
4) Chloromethane	1.534	50	72931	9.230	ppbv	93
5) Vinyl Chloride	1.580	62	62366	7.989	ppbv	93
6) Bromomethane	1.667	94	26031	8.625	ppbv	99
7) Chloroethane	1.706	64	26026	8.628	ppbv	96
8) Dichlorotetrafluoroethane	1.554	85	144832	9.017	ppbv	97
9) Propene	1.483	41	30594m	3.309	ppbv	
10) Heptane	4.981	43	256896	10.303	ppbv	98
11) Trichlorofluoromethane	1.877	101	170043	8.446	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	136885	8.947	ppbv	98
13) Ethanol	1.722	45	6159	7.996	ppbv	93
14) Bromoethene	1.784	108	49106	9.066	ppbv	100
15) Acetone	1.835	43	144352	7.077	ppbv	98
16) 1,3-Butadiene	1.609	39	75313	8.656	ppbv	98
17) tert-Butyl alcohol	2.042	59	155492	8.452	ppbv	99
18) 1,1-Dichloroethene	2.036	96	58795	8.505	ppbv	94
19) Isopropyl Alcohol	1.887	45	88717	8.184	ppbv #	40
20) Methylene Chloride	2.062	84	51269	7.976	ppbv	98
21) Allyl Chloride	2.097	41	116738	9.286	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	66152	8.896	ppbv	97
23) Vinyl Acetate	2.463	43	260137	10.519	ppbv	99
24) 1,1-Dichloroethane	2.411	63	135661	8.888	ppbv	98
25) Ethyl Acetate	2.839	43	458470	10.154	ppbv	99
26) Hexane	2.829	57	194868	9.839	ppbv	97
27) Carbon Disulfide	2.149	76	163937	9.668	ppbv	97
28) Methyl tert-Butyl Ether	2.441	73	85147	9.100	ppbv	98
29) Chloroform	2.852	83	302152	9.872	ppbv	98
30) Cyclohexane	3.858	84	163305	9.722	ppbv	95
31) cis-1,2-Dichloroethene	2.722	61	195202	9.591	ppbv	97
32) 1,1,1-Trichloroethane	3.369	97	302708	9.495	ppbv	99
34) 2-Butanone	2.557	43	301130	10.464	ppbv	100
35) Carbon Tetrachloride	3.768	117	316452	10.487	ppbv	99
36) Benzene	3.658	78	396529	10.299	ppbv	99
37) 1,2-Dichloroethane	3.221	62	239826	10.340	ppbv	100
38) Trichloroethene	4.551	130	179048	9.680	ppbv	98
39) 1,2-Dichloropropane	4.315	63	147019	10.345	ppbv	96
40) 1,4-Dioxane	4.590	88	58940	8.897	ppbv #	92
41) Tetrahydrofuran	3.056	42	161642	11.039	ppbv	98
42) Bromodichloromethane	4.493	83	331225	10.966	ppbv	98
43) Methyl Methacrylate	4.884	69	151296	11.056	ppbv	100
44) 2,2,4-Trimethylpentane	4.641	57	677642	10.798	ppbv	99
45) t-1,3-Dichloropropene	6.418	75	169889	11.070	ppbv	96

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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	216386	11.127	ppbv	95
47) 1,1,2-Trichloroethane	6.587	97	158024	10.431	ppbv	96
48) Dibromochloromethane	7.393	129	267594	11.126	ppbv	99
49) Bromoform	9.490	173	236537	11.279	ppbv	98
50) 4-Methyl-2-Pentanone	5.755	43	403879	10.895	ppbv	99
51) 2-Hexanone	7.441	43	324598	11.588	ppbv #	99
52) Tetrachloroethene	8.231	164	147681	9.254	ppbv	97
53) Toluene	6.939	91	442975	10.714	ppbv	99
54) 1,2-Dibromoethane	7.661	107	227055	10.608	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.930	131	199481	10.593	ppbv	99
57) Chlorobenzene	8.927	112	356684	10.176	ppbv	98
58) Ethyl Benzene	9.360	91	619615	10.833	ppbv	97
59) m/p-Xylene	9.558	91	1017108m	22.251	ppbv	
60) o-Xylene	9.969	91	503091	11.014	ppbv	99
61) Styrene	9.875	104	217700	11.330	ppbv	99
62) Isopropylbenzene	10.545	105	725939	10.775	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.969	83	295182	10.066	ppbv	100
64) n-propylbenzene	10.992	120	197294	11.233	ppbv	98
65) tert-Butylbenzene	11.536	119	650437	10.869	ppbv	99
66) Benzyl Chloride	11.620	91	62462	12.714	ppbv	99
67) sec-Butylbenzene	11.772	105	917232	10.776	ppbv	99
69) p-Isopropyltoluene	11.930	119	782429	11.274	ppbv	100
70) n-Butylbenzene	12.286	91	797862	11.901	ppbv	99
71) 2-Chlorotoluene	10.904	91	563888	10.915	ppbv	99
72) 4-Ethyltoluene	11.128	105	619662	11.360	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	514083	11.447	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	565531	11.542	ppbv	94
75) 1,3-Dichlorobenzene	11.610	146	367259	10.692	ppbv	98
76) 1,4-Dichlorobenzene	11.675	146	368710	10.969	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	352249	10.434	ppbv	98
78) Hexachloro-1,3-Butadiene	13.882	225	287825	9.419	ppbv	99
79) Naphthalene	13.516	128	560369	10.516	ppbv	100
80) Naphthalene,2-methyl-	14.458	142	220575	8.489	ppbv	97
81) 1,2,4-Trichlorobenzene	13.442	180	314686	10.508	ppbv	100

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

