

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042959.D
 Acq On : 22 Sep 2025 15:52
 Operator : SY/MD
 Sample : VL0922ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0922ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025

Quant Time: Sep 23 02:50:52 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M

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

QLast Update : Tue Sep 23 02:39:16 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	157611	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	475789	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	440323	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 329520 10.025 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	196098	9.250	ppbv	98
3) Chlorodifluoromethane	1.476	51	241019	9.122	ppbv	98
4) Chloromethane	1.531	50	83097	8.660	ppbv	99
5) Vinyl Chloride	1.580	62	72910	8.405	ppbv	100
6) Bromomethane	1.667	94	25316	8.274	ppbv	96
7) Chloroethane	1.703	64	29696	8.816	ppbv	96
8) Dichlorotetrafluoroethane	1.554	85	162369	8.972	ppbv	99
9) Propene	1.483	41	99904	8.692	ppbv	96
10) Heptane	4.978	43	277314	9.040	ppbv	98
11) Trichlorofluoromethane	1.878	101	186968	9.147	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	149089	9.007	ppbv	98
13) Ethanol	1.719	45	7189	6.447	ppbv	97
14) Bromoethene	1.781	108	55444	8.860	ppbv	99
15) Acetone	1.836	43	151513	7.381	ppbv	98
16) 1,3-Butadiene	1.609	39	78310	8.087	ppbv	100
17) tert-Butyl alcohol	2.040	59	202608	8.999	ppbv	100
18) 1,1-Dichloroethene	2.033	96	68641	8.959	ppbv	98
19) Isopropyl Alcohol	1.884	45	106256	8.610	ppbv	100
20) Methylene Chloride	2.062	84	60096	9.806	ppbv	97
21) Allyl Chloride	2.095	41	129200	9.037	ppbv	99
22) trans-1,2-Dichloroethene	2.341	96	77254	8.874	ppbv	100
23) Vinyl Acetate	2.464	43	248190	8.463	ppbv	99
24) 1,1-Dichloroethane	2.409	63	154444	9.046	ppbv	99
25) Ethyl Acetate	2.833	43	477860	9.210	ppbv	99
26) Hexane	2.826	57	215902	9.129	ppbv	98
27) Carbon Disulfide	2.150	76	187493	8.839	ppbv	99
28) Methyl tert-Butyl Ether	2.438	73	95760	7.790	ppbv	99
29) Chloroform	2.849	83	295049	9.541	ppbv	99
30) Cyclohexane	3.855	84	184610	9.336	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	206747	9.332	ppbv	99
32) 1,1,1-Trichloroethane	3.367	97	301400	9.024	ppbv	99
34) 2-Butanone	2.557	43	308258	9.245	ppbv	99
35) Carbon Tetrachloride	3.762	117	299002	9.653	ppbv	98
36) Benzene	3.655	78	427346	9.565	ppbv	99
37) 1,2-Dichloroethane	3.218	62	233446	9.935	ppbv	99
38) Trichloroethene	4.548	130	204031	9.189	ppbv	96
39) 1,2-Dichloropropane	4.315	63	157775	9.673	ppbv	98
40) 1,4-Dioxane	4.584	88	70833	9.339	ppbv #	95
41) Tetrahydrofuran	3.053	42	177879	9.281	ppbv	99
42) Bromodichloromethane	4.490	83	324757	9.924	ppbv	94
43) Methyl Methacrylate	4.878	69	169093	9.250	ppbv	99
44) 2,2,4-Trimethylpentane	4.639	57	725943	9.407	ppbv	100
45) t-1,3-Dichloropropene	6.412	75	185943	9.538	ppbv	98

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QLast Update : Tue Sep 23 02:39:16 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	240185	9.667	ppbv	98
47) 1,1,2-Trichloroethane	6.581	97	165106	9.580	ppbv	97
48) Dibromochloromethane	7.387	129	275781	10.002	ppbv	99
49) Bromoform	9.484	173	235060	9.800	ppbv	99
50) 4-Methyl-2-Pentanone	5.749	43	431031	9.645	ppbv	99
51) 2-Hexanone	7.435	43	343461	9.641	ppbv	100
52) Tetrachloroethene	8.228	164	150483	8.705	ppbv	97
53) Toluene	6.933	91	501548	9.484	ppbv	100
54) 1,2-Dibromoethane	7.652	107	235389	9.704	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.924	131	200560	9.516	ppbv	98
57) Chlorobenzene	8.924	112	377524	9.392	ppbv	97
58) Ethyl Benzene	9.354	91	686057	9.489	ppbv	99
59) m/p-Xylene	9.532	91	1075186m	18.862	ppbv	
60) o-Xylene	9.966	91	537008	9.426	ppbv	100
61) Styrene	9.872	104	258756	9.602	ppbv	98
62) Isopropylbenzene	10.539	105	787602	9.274	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.963	83	266223	8.890	ppbv	100
64) n-propylbenzene	10.989	120	208358	9.389	ppbv	100
65) tert-Butylbenzene	11.533	119	694033	9.188	ppbv	99
66) Benzyl Chloride	11.617	91	64955	8.196	ppbv	99
67) sec-Butylbenzene	11.769	105	974750	9.261	ppbv	99
69) p-Isopropyltoluene	11.924	119	820532	9.229	ppbv	99
70) n-Butylbenzene	12.280	91	818866	9.434	ppbv	100
71) 2-Chlorotoluene	10.902	91	598619	9.336	ppbv	100
72) 4-Ethyltoluene	11.125	105	665916	9.332	ppbv	100
73) 1,3,5-Trimethylbenzene	11.206	105	552039	9.539	ppbv	100
74) 1,2,4-Trimethylbenzene	11.536	105	592889	9.277	ppbv	95
75) 1,3-Dichlorobenzene	11.607	146	368544	9.299	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	369921	9.397	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	350261	9.288	ppbv	100
78) Hexachloro-1,3-Butadiene	13.882	225	246743	8.366	ppbv	99
79) Naphthalene	13.514	128	579760	10.259	ppbv	98
80) Naphthalene,2-methyl-	14.455	142	167256	9.581	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	300876	9.958	ppbv	99

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

