

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042745.D
 Acq On : 23 Jul 2025 00:24
 Operator : SY/MD
 Sample : VL0722ABS02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0722ABS02

Quant Time: Jul 23 03:08:35 2025

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

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

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

Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	2.784	49	104492	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	296836	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	274653	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 226072 10.184 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	142506	8.736	ppbv	94
3) Chlorodifluoromethane	1.476	51	167222	9.064	ppbv	99
4) Chloromethane	1.531	50	58149	8.705	ppbv	94
5) Vinyl Chloride	1.580	62	50280	7.620	ppbv	94
6) Bromomethane	1.667	94	21344	7.993	ppbv	84
7) Chloroethane	1.703	64	20405	8.133	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	114013	8.286	ppbv	100
9) Propene	1.482	41	59625	9.109	ppbv	98
10) Heptane	4.975	43	166992	9.174	ppbv	98
11) Trichlorofluoromethane	1.877	101	144347	8.598	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.140	101	110593	8.419	ppbv	98
13) Ethanol	1.719	45	5479	4.976	ppbv	98
14) Bromoethene	1.780	108	38398	8.199	ppbv	97
15) Acetone	1.835	43	122435	6.998	ppbv	96
16) 1,3-Butadiene	1.609	39	59088	7.886	ppbv	98
17) tert-Butyl alcohol	2.039	59	135434	8.152	ppbv	99
18) 1,1-Dichloroethene	2.033	96	47309	8.469	ppbv	94
19) Isopropyl Alcohol	1.884	45	78508	8.467	ppbv #	40
20) Methylene Chloride	2.059	84	42202	7.673	ppbv	89
21) Allyl Chloride	2.094	41	95615	8.525	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	53646	8.372	ppbv	84
23) Vinyl Acetate	2.460	43	170775	8.562	ppbv #	97
24) 1,1-Dichloroethane	2.408	63	111329	8.687	ppbv	96
25) Ethyl Acetate	2.832	43	302417	9.367	ppbv	99
26) Hexane	2.822	57	130296	9.199	ppbv	97
27) Carbon Disulfide	2.149	76	130405	8.620	ppbv #	91
28) Methyl tert-Butyl Ether	2.437	73	64283	7.807	ppbv	99
29) Chloroform	2.845	83	212688	9.094	ppbv	95
30) Cyclohexane	3.852	84	114880	9.296	ppbv	96
31) cis-1,2-Dichloroethene	2.719	61	140639	9.222	ppbv	96
32) 1,1,1-Trichloroethane	3.366	97	218331	8.866	ppbv	99
34) 2-Butanone	2.554	43	199427	9.757	ppbv	99
35) Carbon Tetrachloride	3.758	117	219750	9.035	ppbv	96
36) Benzene	3.654	78	268338	9.731	ppbv	98
37) 1,2-Dichloroethane	3.217	62	174594	9.925	ppbv	100
38) Trichloroethene	4.541	130	121154	9.012	ppbv	98
39) 1,2-Dichloropropane	4.308	63	97876	9.532	ppbv	97
40) 1,4-Dioxane	4.577	88	43929	8.982	ppbv #	96
41) Tetrahydrofuran	3.049	42	107560	10.437	ppbv	98
42) Bromodichloromethane	4.489	83	232518	10.104	ppbv	95
43) Methyl Methacrylate	4.878	69	105179m	9.929	ppbv	
44) 2,2,4-Trimethylpentane	4.638	57	448017	9.898	ppbv	99
45) t-1,3-Dichloropropene	6.409	75	125740	9.667	ppbv	95

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.599	75	152964	9.886	ppbv	92
47) 1,1,2-Trichloroethane	6.577	97	106317	9.446	ppbv	92
48) Dibromochloromethane	7.383	129	182799	9.777	ppbv	100
49) Bromoform	9.480	173	161279	9.991	ppbv	100
50) 4-Methyl-2-Pentanone	5.745	43	271364	10.130	ppbv	99
51) 2-Hexanone	7.431	43	219689	10.283	ppbv #	100
52) Tetrachloroethene	8.221	164	101433	9.128	ppbv	93
53) Toluene	6.930	91	304310	9.787	ppbv	100
54) 1,2-Dibromoethane	7.652	107	155926	9.309	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.924	131	138037	9.329	ppbv	98
57) Chlorobenzene	8.920	112	244476	9.345	ppbv	96
58) Ethyl Benzene	9.354	91	445365	9.707	ppbv	100
59) m/p-Xylene	9.532	91	712780m	19.420	ppbv	
60) o-Xylene	9.962	91	348849	9.413	ppbv	100
61) Styrene	9.869	104	155125	9.718	ppbv	100
62) Isopropylbenzene	10.539	105	515218	9.352	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.962	83	199013	9.393	ppbv	99
64) n-propylbenzene	10.989	120	133588	9.613	ppbv	100
65) tert-Butylbenzene	11.529	119	456713	9.264	ppbv	99
66) Benzyl Chloride	11.613	91	41713	8.895	ppbv	99
67) sec-Butylbenzene	11.765	105	647995	9.569	ppbv	99
69) p-Isopropyltoluene	11.924	119	550179	9.700	ppbv	99
70) n-Butylbenzene	12.280	91	561421	10.357	ppbv	100
71) 2-Chlorotoluene	10.898	91	400817	9.598	ppbv	100
72) 4-Ethyltoluene	11.124	105	435618	9.857	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	368645	10.085	ppbv	99
74) 1,2,4-Trimethylbenzene	11.535	105	401957	10.023	ppbv	98
75) 1,3-Dichlorobenzene	11.607	146	254573	9.493	ppbv	97
76) 1,4-Dichlorobenzene	11.671	146	252912	9.749	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	239802	9.327	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	203709	8.140	ppbv	99
79) Naphthalene	13.510	128	406108	13.536	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	193183	19.568	ppbv	100
81) 1,2,4-Trichlorobenzene	13.439	180	221068	12.082	ppbv	99

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

