

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042731.D
 Acq On : 22 Jul 2025 15:06
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072225

Manual Integrations APPROVED

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

Quant Time: Jul 23 03:00:49 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 22 2025

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	2.787	49	103230	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	302238	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	274367	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 234672 10.583 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	144692	8.979	ppbv	96
3) Chlorodifluoromethane	1.476	51	163537	8.972	ppbv	100
4) Chloromethane	1.531	50	59713	9.048	ppbv	99
5) Vinyl Chloride	1.580	62	52575	8.065	ppbv	95
6) Bromomethane	1.667	94	22692	8.602	ppbv	94
7) Chloroethane	1.703	64	21336	8.608	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	117893	8.673	ppbv	96
9) Propene	1.483	41	55429	8.572	ppbv	90
10) Heptane	4.978	43	161440	8.977	ppbv	98
11) Trichlorofluoromethane	1.878	101	147785	8.911	ppbv	91
12) 1,1,2-Trichlorotrifluo...	2.140	101	112524	8.671	ppbv	99
13) Ethanol	1.722	45	5706	5.245	ppbv	95
14) Bromoethene	1.781	108	40918	8.844	ppbv	97
15) Acetone	1.836	43	123985	7.173	ppbv	97
16) 1,3-Butadiene	1.609	39	63491	8.577	ppbv	99
17) tert-Butyl alcohol	2.039	59	141688	8.633	ppbv	100
18) 1,1-Dichloroethene	2.033	96	49477	8.966	ppbv	94
19) Isopropyl Alcohol	1.884	45	80872	8.828	ppbv	98
20) Methylene Chloride	2.062	84	42368	7.798	ppbv	93
21) Allyl Chloride	2.094	41	99845	9.011	ppbv	98
22) trans-1,2-Dichloroethene	2.340	96	55870	8.826	ppbv	85
23) Vinyl Acetate	2.460	43	186778	9.479	ppbv	98
24) 1,1-Dichloroethane	2.408	63	113158	8.938	ppbv	99
25) Ethyl Acetate	2.836	43	290054	9.094	ppbv	100
26) Hexane	2.826	57	126560	9.045	ppbv	98
27) Carbon Disulfide	2.149	76	133849	8.956	ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	71716	8.817	ppbv	98
29) Chloroform	2.849	83	209913	9.085	ppbv	98
30) Cyclohexane	3.858	84	112878	9.245	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	137905	9.153	ppbv	98
32) 1,1,1-Trichloroethane	3.366	97	220748	9.073	ppbv	98
34) 2-Butanone	2.554	43	194585	9.349	ppbv	98
35) Carbon Tetrachloride	3.761	117	227881	9.202	ppbv	97
36) Benzene	3.655	78	267416	9.524	ppbv	98
37) 1,2-Dichloroethane	3.218	62	173758	9.701	ppbv	99
38) Trichloroethene	4.548	130	121878	8.904	ppbv	96
39) 1,2-Dichloropropane	4.312	63	95953	9.178	ppbv	99
40) 1,4-Dioxane	4.580	88	44298	8.895	ppbv #	97
41) Tetrahydrofuran	3.049	42	102809	9.797	ppbv	98
42) Bromodichloromethane	4.490	83	231463	9.879	ppbv	97
43) Methyl Methacrylate	4.878	69	104231	9.663	ppbv	98
44) 2,2,4-Trimethylpentane	4.642	57	433727	9.411	ppbv	99
45) t-1,3-Dichloropropene	6.412	75	127678	9.641	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042731.D
 Acq On : 22 Jul 2025 15:06
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072225

Manual Integrations
 APPROVED

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

Quant Time: Jul 23 03:00:49 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	155049	9.842	ppbv	97
47) 1,1,2-Trichloroethane	6.587	97	104049	9.079	ppbv	89
48) Dibromochloromethane	7.386	129	186331	9.788	ppbv	98
49) Bromoform	9.484	173	163543	9.950	ppbv	100
50) 4-Methyl-2-Pentanone	5.752	43	262948m	9.641	ppbv	
51) 2-Hexanone	7.432	43	213373	9.809	ppbv #	100
52) Tetrachloroethene	8.228	164	102369	9.047	ppbv	95
53) Toluene	6.933	91	303714	9.593	ppbv	98
54) 1,2-Dibromoethane	7.655	107	158768	9.309	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.927	131	136803	9.255	ppbv	99
57) Chlorobenzene	8.921	112	239120	9.150	ppbv	98
58) Ethyl Benzene	9.354	91	437222	9.539	ppbv	99
59) m/p-Xylene	9.552	91	703809m	19.196	ppbv	
60) o-Xylene	9.966	91	348762	9.421	ppbv	99
61) Styrene	9.869	104	154909	9.714	ppbv	98
62) Isopropylbenzene	10.539	105	518317	9.418	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	194906	9.208	ppbv	99
64) n-propylbenzene	10.989	120	133130	9.590	ppbv	100
65) tert-Butylbenzene	11.532	119	458035	9.301	ppbv	100
66) Benzyl Chloride	11.617	91	50184	10.713	ppbv	98
67) sec-Butylbenzene	11.769	105	633973	9.372	ppbv	99
69) p-Isopropyltoluene	11.924	119	549049	9.690	ppbv	100
70) n-Butylbenzene	12.280	91	549486	10.147	ppbv	100
71) 2-Chlorotoluene	10.901	91	395308	9.476	ppbv	99
72) 4-Ethyltoluene	11.125	105	434852	9.850	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	368192	10.084	ppbv	100
74) 1,2,4-Trimethylbenzene	11.539	105	400229	9.991	ppbv #	86
75) 1,3-Dichlorobenzene	11.607	146	251235	9.378	ppbv	98
76) 1,4-Dichlorobenzene	11.672	146	247720	9.559	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	238232	9.276	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	210055	8.402	ppbv	99
79) Naphthalene	13.510	128	410019	13.681	ppbv	100
80) Naphthalene,2-methyl-	14.455	142	199543	20.233	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	222336	12.164	ppbv	99

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

Manual Integrations

Quant Time: Jul 23 03:00:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Jul 23 02:51:39 2025
Response via : Initial Calibration

