

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120225\
 Data File : VL043292.D
 Acq On : 02 Dec 2025 09:31
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025

Quant Time: Dec 03 00:03:43 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

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

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	126127	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.965	114	330397	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.888	117	260796	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	190761	9.979	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	197164	11.083	ppbv	96
3) Chlorodifluoromethane	1.479	51	183025	10.462	ppbv	98
4) Chloromethane	1.538	50	67250	10.111	ppbv	96
5) Vinyl Chloride	1.583	62	69859	9.604	ppbv	92
6) Bromomethane	1.673	94	33274	9.437	ppbv	94
7) Chloroethane	1.709	64	28524	10.069	ppbv	96
8) Dichlorotetrafluoroethane	1.560	85	161706	10.927	ppbv	98
9) Propene	1.489	41	70360	9.471	ppbv #	1
10) Heptane	4.991	43	206666	9.347	ppbv	99
11) Trichlorofluoromethane	1.884	101	208347	12.088	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.146	101	159759	11.873	ppbv	99
13) Ethanol	1.725	45	20945	8.018	ppbv	97
14) Bromoethene	1.787	108	56599	10.972	ppbv	96
15) Acetone	1.839	43	155242	8.859	ppbv	99
16) 1,3-Butadiene	1.615	39	76961	9.851	ppbv	96
17) tert-Butyl alcohol	2.042	59	218371	9.494	ppbv	98
18) 1,1-Dichloroethene	2.039	96	68084	10.867	ppbv	97
19) Isopropyl Alcohol	1.890	45	85843	8.669	ppbv #	86
20) Methylene Chloride	2.068	84	62130	12.206	ppbv	94
21) Allyl Chloride	2.101	41	105808	8.975	ppbv	94
22) trans-1,2-Dichloroethene	2.347	96	76709	10.712	ppbv	91
23) Vinyl Acetate	2.466	43	206003	9.738	ppbv #	99
24) 1,1-Dichloroethane	2.415	63	151136	10.934	ppbv	97
25) Ethyl Acetate	2.839	43	366636	9.701	ppbv	99
26) Hexane	2.832	57	165056	9.961	ppbv	99
27) Carbon Disulfide	2.156	76	192516	11.380	ppbv	98
28) Methyl tert-Butyl Ether	2.444	73	86340	10.615	ppbv	97
29) Chloroform	2.855	83	275636	11.703	ppbv	98
30) Cyclohexane	3.865	84	139919	10.072	ppbv	94
31) cis-1,2-Dichloroethene	2.725	61	169792	10.309	ppbv	97
32) 1,1,1-Trichloroethane	3.376	97	281780	11.224	ppbv	99
34) 2-Butanone	2.560	43	230835	9.898	ppbv	100
35) Carbon Tetrachloride	3.771	117	296279	11.814	ppbv	96
36) Benzene	3.664	78	336842	10.646	ppbv	98
37) 1,2-Dichloroethane	3.224	62	211067	11.404	ppbv	98
38) Trichloroethene	4.557	130	136063	10.991	ppbv	98
39) 1,2-Dichloropropane	4.321	63	121342	10.478	ppbv	94
40) 1,4-Dioxane	4.586	88	44549	8.557	ppbv #	92
41) Tetrahydrofuran	3.059	42	123505	9.590	ppbv	98
42) Bromodichloromethane	4.496	83	296882	11.628	ppbv	97
43) Methyl Methacrylate	4.884	69	157030	9.350	ppbv	97
44) 2,2,4-Trimethylpentane	4.651	57	560933	10.322	ppbv	100
45) t-1,3-Dichloropropene	6.422	75	124214	7.934	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120225\
 Data File : VL043292.D
 Acq On : 02 Dec 2025 09:31
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025

Quant Time: Dec 03 00:03:43 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

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

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	150697	8.197	ppbv	97
47) 1,1,2-Trichloroethane	6.590	97	132966	10.819	ppbv	89
48) Dibromochloromethane	7.393	129	245129	11.601	ppbv	99
49) Bromoform	9.490	173	210532	11.249	ppbv	98
50) 4-Methyl-2-Pentanone	5.758	43	306398	9.326	ppbv	99
51) 2-Hexanone	7.438	43	217535	8.527	ppbv #	100
52) Tetrachloroethene	8.231	164	125569	10.669	ppbv	98
53) Toluene	6.943	91	377598	10.078	ppbv	99
54) 1,2-Dibromoethane	7.658	107	184265	10.188	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.930	131	226254	11.805	ppbv	98
57) Chlorobenzene	8.927	112	299248	11.176	ppbv	96
58) Ethyl Benzene	9.361	91	532113	10.601	ppbv	100
59) m/p-Xylene	9.558	91	890244m	22.121	ppbv	
60) o-Xylene	9.969	91	433850	10.791	ppbv	97
61) Styrene	9.875	104	170523	9.691	ppbv	99
62) Isopropylbenzene	10.545	105	782083	10.873	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	270755	10.584	ppbv	99
64) n-propylbenzene	10.995	120	198097	10.719	ppbv	98
65) tert-Butylbenzene	11.536	119	679288	10.575	ppbv	99
66) Benzyl Chloride	11.620	91	33251	5.101	ppbv	99
67) sec-Butylbenzene	11.772	105	950539	10.601	ppbv	99
69) p-Isopropyltoluene	11.930	119	794465	10.460	ppbv	99
70) n-Butylbenzene	12.286	91	766060	10.396	ppbv	100
71) 2-Chlorotoluene	10.904	91	581216	10.513	ppbv	100
72) 4-Ethyltoluene	11.131	105	522973	10.682	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	437835	10.656	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	483676	10.787	ppbv	92
75) 1,3-Dichlorobenzene	11.613	146	289929	11.080	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	288002	11.005	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	274351	10.906	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	210733	10.037	ppbv	99
79) Naphthalene	13.516	128	392809	9.864	ppbv	98
80) Naphthalene,2-methyl-	14.465	142	90880	8.694	ppbv	98
81) 1,2,4-Trichlorobenzene	13.445	180	199764	11.216	ppbv	96

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

