

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100625\
 Data File : VL043044.D
 Acq On : 06 Oct 2025 08:38
 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 10/08/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 07 01:32:06 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

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

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.780	49	181342	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	515782	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	434070	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 324488 10.377 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	287157	9.395	ppbv	99
3) Chlorodifluoromethane	1.476	51	281863	9.533	ppbv	99
4) Chloromethane	1.531	50	107064	9.590	ppbv	98
5) Vinyl Chloride	1.580	62	97626	9.214	ppbv	96
6) Bromomethane	1.667	94	45638	9.586	ppbv	95
7) Chloroethane	1.703	64	40916	9.255	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	235363	9.398	ppbv	99
9) Propene	1.483	41	108909	9.135	ppbv	99
10) Heptane	4.968	43	319007	10.884	ppbv	100
11) Trichlorofluoromethane	1.874	101	292298	9.306	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.136	101	228489	9.236	ppbv	99
13) Ethanol	1.719	45	4994	10.290	ppbv	97
14) Bromoethene	1.780	108	83347	9.398	ppbv	98
15) Acetone	1.832	43	211361	8.324	ppbv	99
16) 1,3-Butadiene	1.609	39	98478	9.407	ppbv	98
17) tert-Butyl alcohol	2.036	59	252229	9.391	ppbv	100
18) 1,1-Dichloroethene	2.033	96	100506	9.268	ppbv	96
19) Isopropyl Alcohol	1.884	45	113044	9.292	ppbv	99
20) Methylene Chloride	2.059	84	89172	8.046	ppbv	97
21) Allyl Chloride	2.094	41	154207	9.480	ppbv	100
22) trans-1,2-Dichloroethene	2.337	96	112836	9.165	ppbv	98
23) Vinyl Acetate	2.457	43	48730	9.040	ppbv	98
24) 1,1-Dichloroethane	2.405	63	217854	9.335	ppbv	99
25) Ethyl Acetate	2.829	43	638620	10.026	ppbv	100
26) Hexane	2.819	57	250238	10.213	ppbv	98
27) Carbon Disulfide	2.146	76	277548	9.595	ppbv	100
28) Methyl tert-Butyl Ether	2.434	73	145380	9.481	ppbv	100
29) Chloroform	2.842	83	394464	9.442	ppbv	99
30) Cyclohexane	3.849	84	208637	10.362	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	244012	9.688	ppbv	99
32) 1,1,1-Trichloroethane	3.360	97	384289	9.465	ppbv	99
34) 2-Butanone	2.551	43	347993	9.944	ppbv	99
35) Carbon Tetrachloride	3.755	117	408168	9.619	ppbv	97
36) Benzene	3.648	78	502165	10.190	ppbv	98
37) 1,2-Dichloroethane	3.211	62	293779	10.066	ppbv	99
38) Trichloroethene	4.535	130	210056	10.233	ppbv	99
39) 1,2-Dichloropropane	4.302	63	183913	10.069	ppbv	99
40) 1,4-Dioxane	4.567	88	82396	10.517	ppbv #	95
41) Tetrahydrofuran	3.046	42	198764	10.989	ppbv	99
42) Bromodichloromethane	4.480	83	420134	10.194	ppbv	97
43) Methyl Methacrylate	4.865	69	181458	11.093	ppbv	98
44) 2,2,4-Trimethylpentane	4.629	57	857112	10.839	ppbv	99
45) t-1,3-Dichloropropene	6.402	75	158655	10.598	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100625\
 Data File : VL043044.D
 Acq On : 06 Oct 2025 08:38
 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 10/08/2025
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 07 01:32:06 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

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

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	224260	10.632	ppbv	100
47) 1,1,2-Trichloroethane	6.571	97	201486	9.917	ppbv	99
48) Dibromochloromethane	7.376	129	343727	10.366	ppbv	99
49) Bromoform	9.474	173	294450	10.633	ppbv	99
50) 4-Methyl-2-Pentanone	5.732	43	485069	11.366	ppbv	99
51) 2-Hexanone	7.422	43	362864	11.945	ppbv #	99
52) Tetrachloroethene	8.218	164	178049	9.758	ppbv	94
53) Toluene	6.920	91	558213	11.220	ppbv	100
54) 1,2-Dibromoethane	7.642	107	251743	10.454	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.917	131	266983	10.090	ppbv	99
57) Chlorobenzene	8.914	112	457632	9.973	ppbv	98
58) Ethyl Benzene	9.348	91	773986	11.509	ppbv	100
59) m/p-Xylene	9.545	91	1291856m	22.776	ppbv	
60) o-Xylene	9.956	91	650260	11.509	ppbv	98
61) Styrene	9.865	104	285984	12.082	ppbv	99
62) Isopropylbenzene	10.532	105	966428	11.142	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.956	83	409295	10.098	ppbv	100
64) n-propylbenzene	10.982	120	256334	11.553	ppbv	99
65) tert-Butylbenzene	11.526	119	880541	11.407	ppbv	99
66) Benzyl Chloride	11.610	91	33291	11.284	ppbv	99
67) sec-Butylbenzene	11.762	105	1214749	11.277	ppbv	100
69) p-Isopropyltoluene	11.921	119	1022374	11.667	ppbv	100
70) n-Butylbenzene	12.277	91	1013351	12.010	ppbv	100
71) 2-Chlorotoluene	10.895	91	715947	11.405	ppbv	99
72) 4-Ethyltoluene	11.118	105	797033	11.852	ppbv	100
73) 1,3,5-Trimethylbenzene	11.199	105	666778	11.461	ppbv	100
74) 1,2,4-Trimethylbenzene	11.529	105	751232	11.441	ppbv	93
75) 1,3-Dichlorobenzene	11.600	146	448438	10.501	ppbv	100
76) 1,4-Dichlorobenzene	11.665	146	445649	10.944	ppbv	100
77) 1,2-Dichlorobenzene	11.940	146	430137	10.112	ppbv	100
78) Hexachloro-1,3-Butadiene	13.876	225	285716	9.640	ppbv	100
79) Naphthalene	13.507	128	563992	10.118	ppbv	99
80) Naphthalene,2-methyl-	14.452	142	228905	8.885	ppbv	99
81) 1,2,4-Trichlorobenzene	13.435	180	304505	12.033	ppbv	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100625\
 Data File : VL043044.D
 Acq On : 06 Oct 2025 08:38
 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 10/08/2025
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 07 01:32:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration

