

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110425\
 Data File : VL043144.D
 Acq On : 04 Nov 2025 08:25
 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 :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025

Quant Time: Nov 05 05:21:55 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

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

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	117523	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	381432	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	341295	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 265573 10.011 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	168294	10.073	ppbv	100
3) Chlorodifluoromethane	1.476	51	177115	9.798	ppbv	97
4) Chloromethane	1.531	50	57108	8.628	ppbv	98
5) Vinyl Chloride	1.580	62	56113	8.643	ppbv	99
6) Bromomethane	1.667	94	33901	9.523	ppbv	95
7) Chloroethane	1.703	64	23032	8.677	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	132979	9.848	ppbv	92
9) Propene	1.482	41	70388	8.779	ppbv	99
10) Heptane	4.972	43	201076	8.712	ppbv	97
11) Trichlorofluoromethane	1.877	101	177713	10.874	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.136	101	137928	10.483	ppbv	95
13) Ethanol	1.719	45	20803	7.015	ppbv	97
14) Bromoethene	1.780	108	48939	10.012	ppbv	99
15) Acetone	1.832	43	133568	8.432	ppbv	99
16) 1,3-Butadiene	1.609	39	61858	8.194	ppbv	99
17) tert-Butyl alcohol	2.036	59	206105	9.479	ppbv	99
18) 1,1-Dichloroethene	2.033	96	58272	10.159	ppbv	87
19) Isopropyl Alcohol	1.884	45	84669	8.582	ppbv	96
20) Methylene Chloride	2.059	84	52584	8.398	ppbv	94
21) Allyl Chloride	2.094	41	104908	8.988	ppbv	96
22) trans-1,2-Dichloroethene	2.340	96	68793	10.033	ppbv	90
23) Vinyl Acetate	2.460	43	218328	9.409	ppbv #	98
24) 1,1-Dichloroethane	2.405	63	128643	9.711	ppbv	99
25) Ethyl Acetate	2.832	43	373628	9.511	ppbv	99
26) Hexane	2.826	57	172594	9.535	ppbv	96
27) Carbon Disulfide	2.149	76	167299	10.088	ppbv	97
28) Methyl tert-Butyl Ether	2.437	73	73873	8.971	ppbv	94
29) Chloroform	2.845	83	277911	10.597	ppbv	98
30) Cyclohexane	3.852	84	148884	9.424	ppbv	94
31) cis-1,2-Dichloroethene	2.719	61	178157	10.308	ppbv	91
32) 1,1,1-Trichloroethane	3.363	97	285148	10.441	ppbv	99
34) 2-Butanone	2.554	43	244004	9.517	ppbv	97
35) Carbon Tetrachloride	3.758	117	298090	10.870	ppbv	97
36) Benzene	3.651	78	355254	9.889	ppbv	98
37) 1,2-Dichloroethane	3.214	62	213056	10.295	ppbv	98
38) Trichloroethene	4.544	130	142465	9.495	ppbv	95
39) 1,2-Dichloropropane	4.308	63	125672	9.569	ppbv	95
40) 1,4-Dioxane	4.567	88	56126	9.550	ppbv #	91
41) Tetrahydrofuran	3.046	42	126807	8.843	ppbv	95
42) Bromodichloromethane	4.483	83	303962	10.612	ppbv	97
43) Methyl Methacrylate	4.868	69	170573	9.348	ppbv	97
44) 2,2,4-Trimethylpentane	4.635	57	564212	9.309	ppbv	99
45) t-1,3-Dichloropropene	6.409	75	178441	9.745	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110425\
 Data File : VL043144.D
 Acq On : 04 Nov 2025 08:25
 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 :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025

Quant Time: Nov 05 05:21:55 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

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

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	214624	9.812	ppbv	97
47) 1,1,2-Trichloroethane	6.574	97	139574	9.841	ppbv	95
48) Dibromochloromethane	7.380	129	248108	10.463	ppbv	99
49) Bromoform	9.477	173	214923	11.150	ppbv	99
50) 4-Methyl-2-Pentanone	5.739	43	313044	8.847	ppbv	98
51) 2-Hexanone	7.428	43	243816	9.186	ppbv #	99
52) Tetrachloroethene	8.218	164	130481	10.072	ppbv	97
53) Toluene	6.926	91	403111	9.454	ppbv	99
54) 1,2-Dibromoethane	7.645	107	220541	9.928	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.920	131	225896	10.500	ppbv	98
57) Chlorobenzene	8.917	112	307315	9.625	ppbv	99
58) Ethyl Benzene	9.351	91	563346	9.618	ppbv	100
59) m/p-Xylene	9.548	91	902891m	19.326	ppbv	
60) o-Xylene	9.959	91	450523	9.764	ppbv	100
61) Styrene	9.865	104	198862	9.547	ppbv	99
62) Isopropylbenzene	10.535	105	807370	9.683	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	283373	9.172	ppbv	99
64) n-propylbenzene	10.985	120	210081	9.517	ppbv	97
65) tert-Butylbenzene	11.529	119	685817	9.314	ppbv	98
66) Benzyl Chloride	11.613	91	70071	8.551	ppbv	100
67) sec-Butylbenzene	11.765	105	982589	9.403	ppbv	100
69) p-Isopropyltoluene	11.924	119	828649	9.332	ppbv	98
70) n-Butylbenzene	12.280	91	826157	9.441	ppbv	100
71) 2-Chlorotoluene	10.898	91	611331	9.613	ppbv	99
72) 4-Ethyltoluene	11.121	105	544492	9.597	ppbv	100
73) 1,3,5-Trimethylbenzene	11.199	105	458339	9.795	ppbv	94
74) 1,2,4-Trimethylbenzene	11.535	105	492936	9.414	ppbv #	86
75) 1,3-Dichlorobenzene	11.603	146	300899	9.908	ppbv	98
76) 1,4-Dichlorobenzene	11.668	146	305313	9.970	ppbv	99
77) 1,2-Dichlorobenzene	11.943	146	286249	9.743	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	215505	9.474	ppbv	99
79) Naphthalene	13.510	128	510850	9.334	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	156960	11.008	ppbv	97
81) 1,2,4-Trichlorobenzene	13.439	180	229907	10.121	ppbv	99

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

