

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101725\
 Data File : VL043131.D
 Acq On : 17 Oct 2025 08:24
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Quant Time: Oct 18 04:29:33 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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	2.791	49	87622	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	276096	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	239931	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 200022 10.725 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 107.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	140631	11.289	ppbv	99
3) Chlorodifluoromethane	1.476	51	131201	9.735	ppbv	93
4) Chloromethane	1.535	50	48179	9.763	ppbv	99
5) Vinyl Chloride	1.583	62	48427	10.005	ppbv	100
6) Bromomethane	1.671	94	27901	10.512	ppbv	95
7) Chloroethane	1.706	64	19968	10.090	ppbv	96
8) Dichlorotetrafluoroethane	1.557	85	111627	11.087	ppbv	97
9) Propene	1.486	41	46721	7.816	ppbv	100
10) Heptane	4.982	43	136302	7.921	ppbv	95
11) Trichlorofluoromethane	1.881	101	147966	12.144	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.143	101	112518	11.470	ppbv	97
13) Ethanol	1.722	45	17196	7.777	ppbv	99
14) Bromoethene	1.784	108	39877	10.943	ppbv	100
15) Acetone	1.836	43	112608	9.535	ppbv	98
16) 1,3-Butadiene	1.612	39	54287	9.645	ppbv	97
17) tert-Butyl alcohol	2.040	59	170664	10.527	ppbv	98
18) 1,1-Dichloroethene	2.036	96	48379	11.312	ppbv	92
19) Isopropyl Alcohol	1.888	45	70309	9.559	ppbv	99
20) Methylene Chloride	2.062	84	42709	9.149	ppbv	93
21) Allyl Chloride	2.098	41	88018	10.114	ppbv	91
22) trans-1,2-Dichloroethene	2.344	96	56366	11.026	ppbv	96
23) Vinyl Acetate	2.464	43	162876	9.415	ppbv	98
24) 1,1-Dichloroethane	2.412	63	108234	10.958	ppbv	98
25) Ethyl Acetate	2.836	43	260741	8.903	ppbv	99
26) Hexane	2.829	57	123038	9.117	ppbv	95
27) Carbon Disulfide	2.153	76	135574	10.965	ppbv	99
28) Methyl tert-Butyl Ether	2.441	73	61396	10.000	ppbv	96
29) Chloroform	2.849	83	212817	10.884	ppbv	94
30) Cyclohexane	3.859	84	105292	8.939	ppbv	94
31) cis-1,2-Dichloroethene	2.723	61	133927	10.393	ppbv	98
32) 1,1,1-Trichloroethane	3.370	97	223202	10.961	ppbv	99
34) 2-Butanone	2.558	43	171562	9.244	ppbv	97
35) Carbon Tetrachloride	3.765	117	230394	11.607	ppbv	96
36) Benzene	3.661	78	250456	9.631	ppbv	96
37) 1,2-Dichloroethane	3.221	62	171852	11.472	ppbv #	96
38) Trichloroethene	4.555	130	97313	8.960	ppbv	97
39) 1,2-Dichloropropane	4.315	63	86735	9.124	ppbv	91
40) 1,4-Dioxane	4.580	88	38012	8.935	ppbv #	95
41) Tetrahydrofuran	3.056	42	86924	8.374	ppbv	94
42) Bromodichloromethane	4.493	83	230410	11.113	ppbv	98
43) Methyl Methacrylate	4.881	69	123563	9.356	ppbv	95
44) 2,2,4-Trimethylpentane	4.642	57	396779	9.044	ppbv	98
45) t-1,3-Dichloropropene	6.419	75	135045	10.189	ppbv	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	153105	9.670	ppbv	97
47) 1,1,2-Trichloroethane	6.584	97	99273	9.670	ppbv	96
48) Dibromochloromethane	7.390	129	180203	10.498	ppbv	98
49) Bromoform	9.484	173	144714	10.372	ppbv	99
50) 4-Methyl-2-Pentanone	5.749	43	221652	8.654	ppbv	100
51) 2-Hexanone	7.438	43	165641	8.622	ppbv #	100
52) Tetrachloroethene	8.228	164	85114	9.077	ppbv	96
53) Toluene	6.933	91	282121	9.141	ppbv	100
54) 1,2-Dibromoethane	7.655	107	154849	9.630	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.927	131	159241	10.528	ppbv	98
57) Chlorobenzene	8.924	112	216866	9.662	ppbv	97
58) Ethyl Benzene	9.358	91	409155	9.936	ppbv	98
59) m/p-Xylene	9.555	91	663625m	20.206	ppbv	
60) o-Xylene	9.966	91	325784	10.043	ppbv	98
61) Styrene	9.869	104	139546	9.530	ppbv	97
62) Isopropylbenzene	10.539	105	592251	10.104	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.963	83	201670	9.285	ppbv	99
64) n-propylbenzene	10.989	120	147159	9.483	ppbv	89
65) tert-Butylbenzene	11.533	119	498070	9.622	ppbv	93
66) Benzyl Chloride	11.617	91	51637	8.964	ppbv	97
67) sec-Butylbenzene	11.769	105	720911	9.814	ppbv	98
69) p-Isopropyltoluene	11.928	119	603162	9.662	ppbv	97
70) n-Butylbenzene	12.284	91	615055	9.998	ppbv	98
71) 2-Chlorotoluene	10.902	91	443473	9.920	ppbv	98
72) 4-Ethyltoluene	11.128	105	400537	10.042	ppbv	97
73) 1,3,5-Trimethylbenzene	11.206	105	335378	10.196	ppbv	95
74) 1,2,4-Trimethylbenzene	11.539	105	360377	9.790	ppbv	92
75) 1,3-Dichlorobenzene	11.610	146	207444	9.716	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	209711	9.741	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	195192	9.451	ppbv	98
78) Hexachloro-1,3-Butadiene	13.883	225	136548	8.539	ppbv	99
79) Naphthalene	13.514	128	357522	9.292	ppbv	98
80) Naphthalene,2-methyl-	14.459	142	109340	10.908	ppbv	95
81) 1,2,4-Trichlorobenzene	13.442	180	149848	9.383	ppbv	98

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

