

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090425\
 Data File : VL042888.D
 Acq On : 04 Sep 2025 12:21
 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 09/05/2025
 Supervised By :Mahesh Dadoda 09/05/2025

Quant Time: Sep 05 01:20:46 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

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

QLast Update : Thu Aug 14 02:12:54 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	126170	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	354548	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	305322	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.387 95 238170 10.401 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	193328	10.455	ppbv	100
3) Chlorodifluoromethane	1.479	51	217495	10.641	ppbv	100
4) Chloromethane	1.538	50	76287	10.223	ppbv	99
5) Vinyl Chloride	1.583	62	68873	9.372	ppbv	99
6) Bromomethane	1.670	94	28366	9.653	ppbv	94
7) Chloroethane	1.709	64	26816	9.344	ppbv	90
8) Dichlorotetrafluoroethane	1.557	85	156776	10.361	ppbv	94
9) Propene	1.486	41	84339	9.555	ppbv	97
10) Heptane	4.994	43	227172	9.609	ppbv	99
11) Trichlorofluoromethane	1.881	101	180337	9.885	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.146	101	145704	10.020	ppbv	96
13) Ethanol	1.725	45	6319	7.829	ppbv	92
14) Bromoethene	1.787	108	50855	9.661	ppbv	97
15) Acetone	1.839	43	140571	8.422	ppbv	98
16) 1,3-Butadiene	1.612	39	67467	8.917	ppbv	98
17) tert-Butyl alcohol	2.046	59	172174	8.699	ppbv	98
18) 1,1-Dichloroethene	2.039	96	64265	10.053	ppbv	96
19) Isopropyl Alcohol	1.890	45	88687	8.897	ppbv	97
20) Methylene Chloride	2.065	84	56482	8.079	ppbv	92
21) Allyl Chloride	2.101	41	111750	9.478	ppbv	96
22) trans-1,2-Dichloroethene	2.347	96	72316	9.778	ppbv	96
23) Vinyl Acetate	2.470	43	240753	10.491	ppbv	99
24) 1,1-Dichloroethane	2.415	63	144798	9.803	ppbv	99
25) Ethyl Acetate	2.842	43	402614	9.967	ppbv	98
26) Hexane	2.832	57	184675	9.905	ppbv	96
27) Carbon Disulfide	2.156	76	186403	10.273	ppbv	98
28) Methyl tert-Butyl Ether	2.447	73	90259	9.494	ppbv	94
29) Chloroform	2.855	83	280390	10.533	ppbv	99
30) Cyclohexane	3.868	84	154459	9.449	ppbv	98
31) cis-1,2-Dichloroethene	2.729	61	185311	9.950	ppbv	97
32) 1,1,1-Trichloroethane	3.376	97	282844	10.053	ppbv	99
34) 2-Butanone	2.564	43	267855	11.188	ppbv	99
35) Carbon Tetrachloride	3.774	117	277458	11.351	ppbv	97
36) Benzene	3.667	78	368328	10.849	ppbv	98
37) 1,2-Dichloroethane	3.227	62	216745	12.220	ppbv	97
38) Trichloroethene	4.561	130	155001	9.997	ppbv	92
39) 1,2-Dichloropropane	4.324	63	135713	10.945	ppbv	95
40) 1,4-Dioxane	4.596	88	57426	9.739	ppbv #	89
41) Tetrahydrofuran	3.062	42	144304	10.811	ppbv	98
42) Bromodichloromethane	4.502	83	312742	11.832	ppbv	98
43) Methyl Methacrylate	4.897	69	142269	10.172	ppbv	97
44) 2,2,4-Trimethylpentane	4.654	57	616871	10.705	ppbv	99
45) t-1,3-Dichloropropene	6.431	75	162419	10.290	ppbv	100

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QLast Update : Thu Aug 14 02:12:54 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	208989	10.626	ppbv	99
47) 1,1,2-Trichloroethane	6.596	97	143562	10.928	ppbv	98
48) Dibromochloromethane	7.402	129	238088	11.199	ppbv	99
49) Bromoform	9.496	173	186758	10.652	ppbv	99
50) 4-Methyl-2-Pentanone	5.768	43	352340	10.888	ppbv	98
51) 2-Hexanone	7.448	43	281377	11.050	ppbv #	97
52) Tetrachloroethene	8.237	164	114794	9.346	ppbv	93
53) Toluene	6.946	91	415989	10.306	ppbv	100
54) 1,2-Dibromoethane	7.665	107	207852	10.826	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.940	131	172051	10.897	ppbv	100
57) Chlorobenzene	8.933	112	308473	10.626	ppbv	95
58) Ethyl Benzene	9.367	91	575425	10.680	ppbv	98
59) m/p-Xylene	9.564	91	928810m	21.993	ppbv	
60) o-Xylene	9.975	91	466103	10.972	ppbv	98
61) Styrene	9.885	104	201466	10.122	ppbv	99
62) Isopropylbenzene	10.548	105	663141	10.681	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.975	83	264816	11.335	ppbv	98
64) n-propylbenzene	10.998	120	167388	10.567	ppbv	92
65) tert-Butylbenzene	11.539	119	573769	10.483	ppbv	95
66) Benzyl Chloride	11.623	91	52019	7.487	ppbv	97
67) sec-Butylbenzene	11.775	105	835362	10.874	ppbv	98
69) p-Isopropyltoluene	11.934	119	675014	10.234	ppbv	98
70) n-Butylbenzene	12.290	91	720311	11.012	ppbv	98
71) 2-Chlorotoluene	10.911	91	510985	10.599	ppbv	98
72) 4-Ethyltoluene	11.134	105	555877	10.794	ppbv	98
73) 1,3,5-Trimethylbenzene	11.212	105	462968	10.571	ppbv	98
74) 1,2,4-Trimethylbenzene	11.545	105	517749	10.770	ppbv	98
75) 1,3-Dichlorobenzene	11.616	146	293988	10.758	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	290294	10.504	ppbv	98
77) 1,2-Dichlorobenzene	11.956	146	285558	10.671	ppbv	98
78) Hexachloro-1,3-Butadiene	13.889	225	175105	7.984	ppbv	98
79) Naphthalene	13.520	128	444012	10.188	ppbv	98
80) Naphthalene,2-methyl-	14.465	142	141188	8.670	ppbv	98
81) 1,2,4-Trichlorobenzene	13.448	180	216348	9.877	ppbv	99

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

