

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
 Data File : VL042929.D
 Acq On : 17 Sep 2025 10:12
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/18/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 18 02:26:40 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M

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

QLast Update : Thu Sep 18 02:25:28 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	163089	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	420635	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	368110	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 296698 10.312 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	6608	0.284	ppbv	92
3) Chlorodifluoromethane	1.473	51	37093	1.512	ppbv	97
4) Chloromethane	1.531	50	61955	6.618	ppbv	98
5) Vinyl Chloride	1.580	62	77207	8.742	ppbv	98
6) Bromomethane	1.667	94	27780	9.051	ppbv	89
7) Chloroethane	1.706	64	30335	9.325	ppbv	99
8) Dichlorotetrafluoroethane	1.554	85	172673	9.342	ppbv	98
9) Propene	1.887	41	9886	1.104	ppbv	93
10) Heptane	4.985	43	259162	11.678	ppbv	100
11) Trichlorofluoromethane	1.878	101	203439	8.840	ppbv	94
12) 1,1,2-Trichlorotrifluoro...	2.140	101	150894	8.393	ppbv	94
13) Ethanol	1.722	45	7434	8.140	ppbv	97
14) Bromoethene	1.784	108	58961	9.205	ppbv	97
15) Acetone	1.836	43	158108	7.893	ppbv	98
16) 1,3-Butadiene	1.609	39	76701	9.154	ppbv	97
17) tert-Butyl alcohol	2.043	59	176930	9.172	ppbv	99
18) 1,1-Dichloroethene	2.033	96	71337	9.065	ppbv	99
19) Isopropyl Alcohol	1.887	45	98089	9.133	ppbv #	1
20) Methylene Chloride	2.062	84	59220	6.790	ppbv	88
21) Allyl Chloride	2.098	41	119674	8.813	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	76972	8.629	ppbv	96
23) Vinyl Acetate	2.463	43	251355	10.799	ppbv	98
24) 1,1-Dichloroethane	2.408	63	157152	8.919	ppbv	99
25) Ethyl Acetate	2.836	43	463443	10.834	ppbv	100
26) Hexane	2.826	57	205029	11.169	ppbv	99
27) Carbon Disulfide	2.150	76	197538	8.725	ppbv	98
28) Methyl tert-Butyl Ether	2.441	73	88128	8.737	ppbv	99
29) Chloroform	2.849	83	301189	10.038	ppbv	97
30) Cyclohexane	3.858	84	166665	12.051	ppbv	99
31) cis-1,2-Dichloroethene	2.722	61	193922	10.820	ppbv	98
32) 1,1,1-Trichloroethane	3.370	97	279906	9.970	ppbv	99
34) 2-Butanone	2.557	43	293170	10.752	ppbv	100
35) Carbon Tetrachloride	3.765	117	285189	9.538	ppbv	96
36) Benzene	3.658	78	399662	10.893	ppbv	98
37) 1,2-Dichloroethane	3.221	62	223264	10.160	ppbv	100
38) Trichloroethene	4.551	130	169233	10.189	ppbv	93
39) 1,2-Dichloropropane	4.318	63	151400	10.213	ppbv	93
40) 1,4-Dioxane	4.587	88	61955	11.780	ppbv #	96
41) Tetrahydrofuran	3.056	42	160822	11.997	ppbv	99
42) Bromodichloromethane	4.493	83	321780	10.204	ppbv	96
43) Methyl Methacrylate	4.881	69	148264	12.048	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	702376	11.477	ppbv	99
45) t-1,3-Dichloropropene	6.419	75	150557	11.623	ppbv	95

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Sep 18 02:25:28 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	210588	11.793	ppbv	97
47) 1,1,2-Trichloroethane	6.587	97	156254	10.335	ppbv	94
48) Dibromochloromethane	7.390	129	245632	10.373	ppbv	99
49) Bromoform	9.487	173	197592	10.691	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	396693	12.210	ppbv	99
51) 2-Hexanone	7.441	43	313315	13.102	ppbv	99
52) Tetrachloroethene	8.228	164	116562	10.215	ppbv	96
53) Toluene	6.936	91	434246	12.698	ppbv	99
54) 1,2-Dibromoethane	7.655	107	213767	10.994	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.927	131	183433	9.779	ppbv	99
57) Chlorobenzene	8.927	112	343401	10.093	ppbv	99
58) Ethyl Benzene	9.357	91	599625	12.644	ppbv	97
59) m/p-Xylene	9.555	91	989018m	24.676	ppbv	
60) o-Xylene	9.966	91	491964	12.347	ppbv	100
61) Styrene	9.875	104	203700	9.892	ppbv	99
62) Isopropylbenzene	10.542	105	700802	12.074	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	289211	10.050	ppbv	99
64) n-propylbenzene	10.992	120	181512	12.062	ppbv	98
65) tert-Butylbenzene	11.536	119	617201	12.444	ppbv	99
66) Benzyl Chloride	11.617	91	57156	12.402	ppbv	99
67) sec-Butylbenzene	11.769	105	913111	12.101	ppbv	100
69) p-Isopropyltoluene	11.927	119	746887	12.844	ppbv	99
70) n-Butylbenzene	12.283	91	803213	10.324	ppbv	100
71) 2-Chlorotoluene	10.905	91	537404	12.478	ppbv	100
72) 4-Ethyltoluene	11.128	105	595279	9.895	ppbv	100
73) 1,3,5-Trimethylbenzene	11.206	105	492441	12.492	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	566360	12.226	ppbv	92
75) 1,3-Dichlorobenzene	11.610	146	319951	10.894	ppbv	100
76) 1,4-Dichlorobenzene	11.675	146	322422	11.411	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	314913	10.627	ppbv	100
78) Hexachloro-1,3-Butadiene	13.882	225	184323	9.740	ppbv	100
79) Naphthalene	13.517	128	477029	9.803	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	137120	8.988	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	226897	9.719	ppbv	99

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

