

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060525\
 Data File : VL042614.D
 Acq On : 05 Jun 2025 08:55
 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 06/06/2025
 Supervised By : Mahesh Dadoda 06/06/2025

Quant Time: Jun 06 01:34:54 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

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

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	101693	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	268217	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	242660	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 191733 10.540 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	121788	9.744	ppbv	99
3) Chlorodifluoromethane	1.476	51	161401	9.376	ppbv	99
4) Chloromethane	1.534	50	47056	9.507	ppbv	96
5) Vinyl Chloride	1.580	62	44566	8.839	ppbv	99
6) Bromomethane	1.667	94	22015	8.971	ppbv	100
7) Chloroethane	1.706	64	17339	8.851	ppbv	96
8) Dichlorotetrafluoroethane	1.554	85	99097	9.516	ppbv	98
9) Propene	1.482	41	63512	9.162	ppbv	99
10) Heptane	4.981	43	177505	9.084	ppbv	99
11) Trichlorofluoromethane	1.877	101	117872	10.136	ppbv	98
12) 1,1,2-Trichlorotrifluoro...	2.139	101	85546	9.368	ppbv	95
13) Ethanol	1.722	45	4659	5.640	ppbv	96
14) Bromoethene	1.780	108	33213	9.670	ppbv	98
15) Acetone	1.835	43	98940	8.077	ppbv	98
16) 1,3-Butadiene	1.609	39	50824	8.759	ppbv	100
17) tert-Butyl alcohol	2.042	59	114594	8.980	ppbv	100
18) 1,1-Dichloroethene	2.036	96	39181	9.257	ppbv	91
19) Isopropyl Alcohol	1.887	45	64194	8.766	ppbv	97
20) Methylene Chloride	2.062	84	33533	8.295	ppbv	92
21) Allyl Chloride	2.097	41	78502	9.083	ppbv	99
22) trans-1,2-Dichloroethene	2.340	96	44188	9.346	ppbv	97
23) Vinyl Acetate	2.463	43	185225	11.186	ppbv	98
24) 1,1-Dichloroethane	2.408	63	90948	9.350	ppbv	99
25) Ethyl Acetate	2.835	43	318951	9.515	ppbv	99
26) Hexane	2.826	57	135874	8.920	ppbv	95
27) Carbon Disulfide	2.149	76	110072	9.413	ppbv	94
28) Methyl tert-Butyl Ether	2.441	73	55053	8.907	ppbv	97
29) Chloroform	2.852	83	195743	9.882	ppbv	99
30) Cyclohexane	3.858	84	112054	8.874	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	135437	9.720	ppbv	99
32) 1,1,1-Trichloroethane	3.369	97	193883	9.580	ppbv	98
34) 2-Butanone	2.557	43	205880	10.763	ppbv	100
35) Carbon Tetrachloride	3.764	117	199057	11.243	ppbv	99
36) Benzene	3.657	78	277497	10.506	ppbv	100
37) 1,2-Dichloroethane	3.221	62	153373	11.684	ppbv	98
38) Trichloroethene	4.551	130	111360	9.919	ppbv	94
39) 1,2-Dichloropropane	4.315	63	101638	10.406	ppbv	99
40) 1,4-Dioxane	4.586	88	44359	10.149	ppbv #	96
41) Tetrahydrofuran	3.055	42	115360	10.303	ppbv	99
42) Bromodichloromethane	4.493	83	217739	11.678	ppbv	95
43) Methyl Methacrylate	4.884	69	106636	10.402	ppbv	99
44) 2,2,4-Trimethylpentane	4.641	57	470653	10.417	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	121682	10.373	ppbv	97

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

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	154211	10.491	ppbv	94
47) 1,1,2-Trichloroethane	6.583	97	105831	10.467	ppbv	96
48) Dibromochloromethane	7.389	129	174247	10.765	ppbv	98
49) Bromoform	9.490	173	150126	10.749	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	280472	10.572	ppbv	98
51) 2-Hexanone	7.441	43	228193	10.845	ppbv #	96
52) Tetrachloroethene	8.231	164	94128	9.537	ppbv	99
53) Toluene	6.939	91	308757	10.114	ppbv	99
54) 1,2-Dibromoethane	7.658	107	160618	10.732	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.930	131	131500	10.777	ppbv	99
57) Chlorobenzene	8.927	112	239242	10.154	ppbv	96
58) Ethyl Benzene	9.360	91	428397	10.408	ppbv	95
59) m/p-Xylene	9.555	91	685564m	21.165	ppbv	
60) o-Xylene	9.969	91	340908	10.552	ppbv	98
61) Styrene	9.875	104	152733	9.999	ppbv	97
62) Isopropylbenzene	10.545	105	490365	10.274	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	213414	10.389	ppbv	100
64) n-propylbenzene	10.995	120	130905	10.232	ppbv	95
65) tert-Butylbenzene	11.535	119	435043	10.044	ppbv	97
66) Benzyl Chloride	11.620	91	53682	9.629	ppbv	99
67) sec-Butylbenzene	11.772	105	616903	10.131	ppbv	98
69) p-Isopropyltoluene	11.930	119	514946	10.098	ppbv	99
70) n-Butylbenzene	12.283	91	528764	10.505	ppbv	98
71) 2-Chlorotoluene	10.904	91	375889	10.325	ppbv	97
72) 4-Ethyltoluene	11.128	105	418625	10.393	ppbv	98
73) 1,3,5-Trimethylbenzene	11.209	105	342609	10.277	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	380277	10.280	ppbv	96
75) 1,3-Dichlorobenzene	11.610	146	237125	10.207	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	238047	10.274	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	226397	10.041	ppbv	100
78) Hexachloro-1,3-Butadiene	13.885	225	165660	8.880	ppbv	99
79) Naphthalene	13.516	128	372094	10.671	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	183376	11.640	ppbv	97
81) 1,2,4-Trichlorobenzene	13.442	180	195043	10.020	ppbv	98

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

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