

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
 Data File : VL042471.D
 Acq On : 05 May 2025 10:07
 Operator : SY/MD
 Sample : VL0505ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0505ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2025
 Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:39:20 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M

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

QLast Update : Fri May 02 03:16:31 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	73094	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	206118	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	177063	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 168649 10.273 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	124629	10.303	ppbv	97
3) Chlorodifluoromethane	1.476	51	121193	9.477	ppbv	100
4) Chloromethane	1.531	50	48459	9.585	ppbv	97
5) Vinyl Chloride	1.580	62	48263	9.482	ppbv	97
6) Bromomethane	1.667	94	24122	10.030	ppbv	89
7) Chloroethane	1.703	64	19046	10.134	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	103007	10.330	ppbv	99
9) Propene	1.483	41	38988	9.321	ppbv	99
10) Heptane	4.985	43	105620m	9.734	ppbv	
11) Trichlorofluoromethane	1.878	101	115696	10.365	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	90819	10.191	ppbv	99
13) Ethanol	1.722	45	5973	7.037	ppbv	99
14) Bromoethene	1.780	108	33388	10.148	ppbv	98
15) Acetone	1.835	43	106709	7.997	ppbv	99
16) 1,3-Butadiene	1.609	39	57359	9.746	ppbv	99
17) tert-Butyl alcohol	2.039	59	117319	9.980	ppbv	98
18) 1,1-Dichloroethene	2.033	96	41229	9.907	ppbv	98
19) Isopropyl Alcohol	1.887	45	70522	9.550	ppbv	100
20) Methylene Chloride	2.062	84	35706	8.901	ppbv	94
21) Allyl Chloride	2.094	41	84722	9.873	ppbv	98
22) trans-1,2-Dichloroethene	2.340	96	46305	9.528	ppbv	95
23) Vinyl Acetate	2.463	43	130023	10.210	ppbv #	97
24) 1,1-Dichloroethane	2.408	63	98989	9.984	ppbv	99
25) Ethyl Acetate	2.836	43	207844	9.728	ppbv	100
26) Hexane	2.826	57	90030	9.673	ppbv	98
27) Carbon Disulfide	2.149	76	115286	10.614	ppbv	94
28) Methyl tert-Butyl Ether	2.441	73	58319	10.429	ppbv	100
29) Chloroform	2.849	83	168484	9.660	ppbv	98
30) Cyclohexane	3.858	84	78428	10.078	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	104191	9.595	ppbv	97
32) 1,1,1-Trichloroethane	3.370	97	182273	9.632	ppbv	99
34) 2-Butanone	2.557	43	133597	8.961	ppbv	95
35) Carbon Tetrachloride	3.761	117	188916	10.090	ppbv	95
36) Benzene	3.661	78	188320	9.682	ppbv	97
37) 1,2-Dichloroethane	3.221	62	145347	9.695	ppbv	100
38) Trichloroethene	4.548	130	74307m	10.017	ppbv	
39) 1,2-Dichloropropane	4.315	63	66905	9.188	ppbv	88
40) 1,4-Dioxane	4.580	88	31401	9.209	ppbv #	100
41) Tetrahydrofuran	3.056	42	66257	9.351	ppbv	97
42) Bromodichloromethane	4.489	83	189214	10.330	ppbv	93
43) Methyl Methacrylate	4.881	69	74953	10.326	ppbv	97
44) 2,2,4-Trimethylpentane	4.642	57	307008	9.737	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	103231	10.841	ppbv	98

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

QLast Update : Fri May 02 03:16:31 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	116725	10.313	ppbv	95
47) 1,1,2-Trichloroethane	6.584	97	77049	9.648	ppbv #	92
48) Dibromochloromethane	7.390	129	138518	10.274	ppbv	97
49) Bromoform	9.487	173	114364	10.115	ppbv	99
50) 4-Methyl-2-Pentanone	5.752	43	177898	9.433	ppbv	99
51) 2-Hexanone	7.438	43	145213	9.631	ppbv	98
52) Tetrachloroethene	8.228	164	67191	9.076	ppbv	86
53) Toluene	6.936	91	214815	10.434	ppbv	98
54) 1,2-Dibromoethane	7.655	107	117449	9.619	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.927	131	103494	9.897	ppbv	98
57) Chlorobenzene	8.924	112	168941	9.495	ppbv	94
58) Ethyl Benzene	9.357	91	312698	10.568	ppbv	96
59) m/p-Xylene	9.552	91	532663m	21.473	ppbv	
60) o-Xylene	9.966	91	267198	10.758	ppbv	100
61) Styrene	9.875	104	103232	11.138	ppbv	97
62) Isopropylbenzene	10.542	105	380840	10.630	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	155457	9.079	ppbv	100
64) n-propylbenzene	10.992	120	93814	10.714	ppbv	94
65) tert-Butylbenzene	11.532	119	342014	10.697	ppbv	97
66) Benzyl Chloride	11.620	91	45711	12.370	ppbv	98
67) sec-Butylbenzene	11.769	105	480000	10.565	ppbv	99
69) p-Isopropyltoluene	11.927	119	412889	10.786	ppbv	99
70) n-Butylbenzene	12.283	91	425652	10.756	ppbv	98
71) 2-Chlorotoluene	10.905	91	301813	10.741	ppbv	100
72) 4-Ethyltoluene	11.128	105	326835	11.161	ppbv	99
73) 1,3,5-Trimethylbenzene	11.206	105	280716	10.900	ppbv	97
74) 1,2,4-Trimethylbenzene	11.539	105	316052	10.143	ppbv	99
75) 1,3-Dichlorobenzene	11.610	146	174274	10.046	ppbv	97
76) 1,4-Dichlorobenzene	11.675	146	174860	10.651	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	166423	9.801	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	153156	9.032	ppbv	99
79) Naphthalene	13.513	128	286218	10.911	ppbv	97
80) Naphthalene,2-methyl-	14.458	142	232641	11.932	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	147081	10.513	ppbv	99

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

