

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
 Data File : VL042519.D
 Acq On : 07 May 2025 15:37
 Operator : SY/MD
 Sample : MDL2 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.40

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2025
 Supervised By :Mahesh Dadoda 05/09/2025

Quant Time: May 08 01:38:31 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-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)

Internal Standards						
1) Bromochloromethane	2.790	49	73774	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	187670	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.891	117	161181	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.387 95 144968 9.701 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	5585	0.457	ppbv	92
3) Chlorodifluoromethane	1.476	51	6338	0.491	ppbv	99
4) Chloromethane	1.534	50	2612	0.512	ppbv	95
5) Vinyl Chloride	1.580	62	2017	0.393	ppbv #	82
6) Bromomethane	1.667	94	1226	0.505	ppbv #	47
7) Chloroethane	1.703	64	822	0.433	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	4695	0.466	ppbv	95
9) Propene	1.486	41	1805	0.428	ppbv	100
10) Heptane	4.985	43	2805m	0.256	ppbv	
11) Trichlorofluoromethane	1.881	101	5563	0.494	ppbv	87
12) 1,1,2-Trichlorotrifluo...	2.143	101	4327	0.481	ppbv	97
13) Ethanol	1.722	45	721	0.842	ppbv	73
14) Bromoethene	1.784	108	1689	0.509	ppbv #	87
15) Acetone	1.839	43	8205	0.609	ppbv #	87
16) 1,3-Butadiene	1.609	39	3215	0.541	ppbv	98
17) tert-Butyl alcohol	2.046	59	5219	0.440	ppbv #	86
18) 1,1-Dichloroethene	2.039	96	1978m	0.471	ppbv	
19) Isopropyl Alcohol	1.890	45	3267	0.438	ppbv #	94
20) Methylene Chloride	2.062	84	2592	0.640	ppbv #	84
21) Allyl Chloride	2.101	41	3923	0.453	ppbv #	75
22) trans-1,2-Dichloroethene	2.343	96	2126	0.433	ppbv	97
23) Vinyl Acetate	2.470	43	5520	0.429	ppbv #	76
24) 1,1-Dichloroethane	2.411	63	4741	0.474	ppbv	98
25) Ethyl Acetate	2.845	43	4908	0.228	ppbv #	77
26) Hexane	2.826	57	2775m	0.295	ppbv	
27) Carbon Disulfide	2.152	76	4689	0.428	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	2085	0.369	ppbv #	66
29) Chloroform	2.855	83	8773	0.498	ppbv	91
30) Cyclohexane	3.868	84	2173m	0.277	ppbv	
31) cis-1,2-Dichloroethene	2.725	61	3497	0.319	ppbv #	74
32) 1,1,1-Trichloroethane	3.373	97	7886	0.413	ppbv	97
34) 2-Butanone	2.567	43	6121	0.451	ppbv	99
35) Carbon Tetrachloride	3.771	117	8199	0.481	ppbv #	82
36) Benzene	3.667	78	6600m	0.373	ppbv	
37) 1,2-Dichloroethane	3.224	62	5858	0.429	ppbv #	96
38) Trichloroethene	4.554	130	2996m	0.444	ppbv	
39) 1,2-Dichloropropane	4.324	63	3249m	0.490	ppbv	
40) 1,4-Dioxane	4.612	88	1091m	0.351	ppbv	
41) Tetrahydrofuran	3.072	42	1896	0.294	ppbv #	91
42) Bromodichloromethane	4.496	83	7915m	0.475	ppbv	
43) Methyl Methacrylate	4.897	69	1964m	0.297	ppbv	
44) 2,2,4-Trimethylpentane	4.651	57	9077m	0.316	ppbv	
45) t-1,3-Dichloropropene	6.425	75	2626m	0.303	ppbv	

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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	5.609	75	3142m	0.305	ppbv	
47) 1,1,2-Trichloroethane	6.596	97	3704m	0.509	ppbv	
48) Dibromochloromethane	7.396	129	5552m	0.452	ppbv	
49) Bromoform	9.487	173	4124m	0.401	ppbv	
50) 4-Methyl-2-Pentanone	5.787	43	4823m	0.281	ppbv	
51) 2-Hexanone	7.457	43	4075m	0.297	ppbv	
52) Tetrachloroethene	8.237	164	2238m	0.332	ppbv	
53) Toluene	6.939	91	5149m	0.275	ppbv	
54) 1,2-Dibromoethane	7.664	107	4219m	0.380	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.933	131	5109	0.537	ppbv	88
57) Chlorobenzene	8.930	112	7679	0.474	ppbv #	85
58) Ethyl Benzene	9.364	91	6676m	0.248	ppbv	
59) m/p-Xylene	9.564	91	11326m	0.502	ppbv	
60) o-Xylene	9.975	91	5583	0.247	ppbv	95
61) Styrene	9.875	104	1876	0.222	ppbv #	85
62) Isopropylbenzene	10.545	105	9659	0.296	ppbv	95
63) 1,1,2,2-Tetrachloroethane	9.972	83	7570	0.486	ppbv	93
64) n-propylbenzene	11.001	120	1695m	0.213	ppbv	
65) tert-Butylbenzene	11.536	119	7472	0.257	ppbv	96
66) Benzyl Chloride	11.629	91	1447m	0.430	ppbv	
67) sec-Butylbenzene	11.772	105	11135	0.269	ppbv	100
69) p-Isopropyltoluene	11.934	119	7813	0.224	ppbv	91
70) n-Butylbenzene	12.290	91	8399	0.233	ppbv	96
71) 2-Chlorotoluene	10.911	91	6717	0.263	ppbv	100
72) 4-Ethyltoluene	11.134	105	6202	0.233	ppbv #	94
73) 1,3,5-Trimethylbenzene	11.212	105	5445	0.232	ppbv #	78
74) 1,2,4-Trimethylbenzene	11.542	105	7142	0.252	ppbv #	90
75) 1,3-Dichlorobenzene	11.613	146	6216	0.394	ppbv	96
76) 1,4-Dichlorobenzene	11.678	146	5235	0.350	ppbv	97
77) 1,2-Dichlorobenzene	11.950	146	6050	0.391	ppbv	95
78) Hexachloro-1,3-Butadiene	13.885	225	7614	0.493	ppbv	92
79) Naphthalene	13.523	128	4420	0.185	ppbv	97
80) Naphthalene,2-methyl-	14.474	142	588	0.033	ppbv #	69
81) 1,2,4-Trichlorobenzene	13.452	180	2335	0.183	ppbv #	78

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

