

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060525\
 Data File : VL042617.D
 Acq On : 05 Jun 2025 12:03
 Operator : SY/MD
 Sample : Q2126-15 MDL 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2025

Quant Time: Jun 06 01:39:33 2025

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

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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Bromochloromethane	2.794	49	101439	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	270217	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	241612	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 183730 10.144 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	6360	0.510	ppbv	95
3) Chlorodifluoromethane	1.479	51	9552	0.556	ppbv	96
4) Chloromethane	1.534	50	2335	0.473	ppbv	92
5) Vinyl Chloride	1.583	62	2547	0.506	ppbv #	83
6) Bromomethane	1.670	94	1222	0.499	ppbv	88
7) Chloroethane	1.706	64	957	0.490	ppbv #	82
8) Dichlorotetrafluoroethane	1.557	85	5481	0.528	ppbv	92
9) Propene	1.486	41	3572	0.517	ppbv	99
10) Heptane	4.994	43	8222m	0.422	ppbv	
11) Trichlorofluoromethane	1.881	101	6114	0.527	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	4560	0.501	ppbv	88
13) Ethanol	1.725	45	624	0.757	ppbv	71
14) Bromoethene	1.784	108	1992	0.581	ppbv #	80
15) Acetone	1.839	43	7720	0.632	ppbv	98
16) 1,3-Butadiene	1.612	39	3231	0.558	ppbv	90
17) tert-Butyl alcohol	2.049	59	5793	0.455	ppbv #	94
18) 1,1-Dichloroethene	2.036	96	2206m	0.522	ppbv	
19) Isopropyl Alcohol	1.891	45	3722	0.510	ppbv #	74
20) Methylene Chloride	2.065	84	2449	0.607	ppbv #	89
21) Allyl Chloride	2.101	41	3907	0.453	ppbv #	76
22) trans-1,2-Dichloroethene	2.344	96	2257	0.479	ppbv	83
23) Vinyl Acetate	2.467	43	10866	0.658	ppbv #	91
24) 1,1-Dichloroethane	2.415	63	4838	0.499	ppbv #	95
25) Ethyl Acetate	2.845	43	16061	0.480	ppbv	97
26) Hexane	2.832	57	6099	0.401	ppbv #	76
27) Carbon Disulfide	2.156	76	5513	0.473	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	3159	0.512	ppbv	99
29) Chloroform	2.852	83	10433	0.528	ppbv	90
30) Cyclohexane	3.868	84	5073m	0.403	ppbv	
31) cis-1,2-Dichloroethene	2.726	61	6668	0.480	ppbv	98
32) 1,1,1-Trichloroethane	3.379	97	9567m	0.474	ppbv	
34) 2-Butanone	2.564	43	11155	0.579	ppbv	98
35) Carbon Tetrachloride	3.774	117	9310	0.522	ppbv #	86
36) Benzene	3.664	78	13395	0.503	ppbv	99
37) 1,2-Dichloroethane	3.221	62	7911	0.598	ppbv	99
38) Trichloroethene	4.561	130	5608	0.496	ppbv #	86
39) 1,2-Dichloropropane	4.318	63	5166	0.525	ppbv	91
40) 1,4-Dioxane	4.616	88	2434m	0.553	ppbv	
41) Tetrahydrofuran	3.069	42	5061	0.449	ppbv	96
42) Bromodichloromethane	4.502	83	10374	0.552	ppbv	97
43) Methyl Methacrylate	4.901	69	4122m	0.399	ppbv	
44) 2,2,4-Trimethylpentane	4.651	57	21138	0.464	ppbv	95
45) t-1,3-Dichloropropene	6.435	75	4864m	0.412	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060525\
 Data File : VL042617.D
 Acq On : 05 Jun 2025 12:03
 Operator : SY/MD
 Sample : Q2126-15 MDL 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2025

Manual Integrations
 APPROVED

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

Quant Time: Jun 06 01:39:33 2025

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

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	5.613	75	6385m	0.431	ppbv	
47) 1,1,2-Trichloroethane	6.590	97	5250m	0.515	ppbv	
48) Dibromochloromethane	7.393	129	8310m	0.510	ppbv	
49) Bromoform	9.493	173	6666	0.474	ppbv	95
50) 4-Methyl-2-Pentanone	5.784	43	12304m	0.460	ppbv	
51) 2-Hexanone	7.454	43	7986	0.377	ppbv #	93
52) Tetrachloroethene	8.231	164	4877	0.490	ppbv	85
53) Toluene	6.943	91	12731	0.414	ppbv	99
54) 1,2-Dibromoethane	7.661	107	7303m	0.484	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.933	131	6652m	0.548	ppbv	
57) Chlorobenzene	8.930	112	12446	0.531	ppbv	92
58) Ethyl Benzene	9.361	91	17127	0.418	ppbv	95
59) m/p-Xylene	9.561	91	26746m	0.829	ppbv	
60) o-Xylene	9.972	91	13877	0.431	ppbv	98
61) Styrene	9.882	104	5106	0.336	ppbv	92
62) Isopropylbenzene	10.549	105	21078	0.444	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.976	83	10883	0.532	ppbv	99
64) n-propylbenzene	10.995	120	5325	0.418	ppbv	97
65) tert-Butylbenzene	11.539	119	16908	0.392	ppbv	91
66) Benzyl Chloride	11.623	91	1724m	0.311	ppbv	
67) sec-Butylbenzene	11.775	105	26028	0.429	ppbv	98
69) p-Isopropyltoluene	11.931	119	19506	0.384	ppbv	97
70) n-Butylbenzene	12.290	91	19163	0.382	ppbv	91
71) 2-Chlorotoluene	10.908	91	14866	0.410	ppbv	99
72) 4-Ethyltoluene	11.131	105	15819m	0.394	ppbv	
73) 1,3,5-Trimethylbenzene	11.209	105	13664	0.412	ppbv	98
74) 1,2,4-Trimethylbenzene	11.545	105	15441	0.419	ppbv	90
75) 1,3-Dichlorobenzene	11.613	146	11403	0.493	ppbv	95
76) 1,4-Dichlorobenzene	11.678	146	10641	0.461	ppbv	99
77) 1,2-Dichlorobenzene	11.956	146	11615	0.517	ppbv	95
78) Hexachloro-1,3-Butadiene	13.889	225	9667	0.520	ppbv	95
79) Naphthalene	13.520	128	7316m	0.211	ppbv	
80) Naphthalene,2-methyl-	14.468	142	757	0.048	ppbv #	90
81) 1,2,4-Trichlorobenzene	13.445	180	4619	0.238	ppbv	93

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

