

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060325\
 Data File : VL042610.D
 Acq On : 03 Jun 2025 14:40
 Operator : SY/MD
 Sample : Q2126-13 0.1 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025

Quant Time: Jun 04 01:51:39 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 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025

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

Internal Standards						
1) Bromochloromethane	2.787	49	100590	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	265187	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	238483	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 179621 10.047 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	1492	0.121	ppbv	98
3) Chlorodifluoromethane	1.476	51	1979	0.116	ppbv	96
4) Chloromethane	1.534	50	565	0.115	ppbv #	74
5) Vinyl Chloride	1.580	62	626	0.126	ppbv	99
6) Bromomethane	1.664	94	307	0.126	ppbv #	47
7) Chloroethane	1.706	64	326	0.168	ppbv #	43
8) Dichlorotetrafluoroethane	1.554	85	1032	0.100	ppbv	92
9) Propene	1.482	41	855	0.125	ppbv	90
10) Heptane	4.978	43	1758m	0.091	ppbv	
11) Trichlorofluoromethane	1.877	101	1474	0.128	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.143	101	1150	0.127	ppbv	100
13) Ethanol	1.722	45	330	0.404	ppbv #	39
14) Bromoethene	1.780	108	308	0.091	ppbv #	81
15) Acetone	1.839	43	1953	0.161	ppbv	98
16) 1,3-Butadiene	1.609	39	1011	0.176	ppbv #	77
17) tert-Butyl alcohol	2.046	59	1466	0.116	ppbv #	88
18) 1,1-Dichloroethene	2.033	96	481	0.115	ppbv #	51
19) Isopropyl Alcohol	1.890	45	843	0.116	ppbv #	64
20) Methylene Chloride	2.059	84	1051	0.263	ppbv	89
21) Allyl Chloride	2.094	41	1108	0.130	ppbv #	46
22) trans-1,2-Dichloroethene	2.343	96	664	0.142	ppbv #	71
23) Vinyl Acetate	2.463	43	1882	0.115	ppbv #	58
24) 1,1-Dichloroethane	2.411	63	1114	0.116	ppbv #	88
25) Ethyl Acetate	2.842	43	3498m	0.105	ppbv	
26) Hexane	2.822	57	1483	0.098	ppbv #	82
27) Carbon Disulfide	2.152	76	1184	0.102	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	677	0.111	ppbv #	70
29) Chloroform	2.852	83	2337	0.119	ppbv	99
30) Cyclohexane	3.852	84	1042m	0.083	ppbv	
31) cis-1,2-Dichloroethene	2.722	61	1482	0.108	ppbv #	85
32) 1,1,1-Trichloroethane	3.373	97	2138	0.107	ppbv	97
34) 2-Butanone	2.567	43	2664	0.141	ppbv	98
35) Carbon Tetrachloride	3.771	117	2091m	0.119	ppbv	
36) Benzene	3.661	78	2931m	0.112	ppbv	
37) 1,2-Dichloroethane	3.217	62	1661	0.128	ppbv #	93
38) Trichloroethene	4.551	130	1325m	0.119	ppbv	
39) 1,2-Dichloropropane	4.324	63	1218m	0.126	ppbv	
40) 1,4-Dioxane	4.625	88	507m	0.117	ppbv	
41) Tetrahydrofuran	3.075	42	1129m	0.102	ppbv	
42) Bromodichloromethane	4.496	83	2281	0.124	ppbv #	85
43) Methyl Methacrylate	4.891	69	1071m	0.106	ppbv	
44) 2,2,4-Trimethylpentane	4.645	57	4943m	0.111	ppbv	
45) t-1,3-Dichloropropene	6.412	75	1104m	0.095	ppbv	

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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	1355m	0.093	ppbv	
47) 1,1,2-Trichloroethane	6.596	97	1196m	0.120	ppbv	
48) Dibromochloromethane	7.393	129	1562m	0.098	ppbv	
49) Bromoform	9.490	173	1421m	0.103	ppbv	
50) 4-Methyl-2-Pentanone	5.790	43	2651m	0.101	ppbv	
51) 2-Hexanone	7.454	43	1584m	0.076	ppbv	
52) Tetrachloroethene	8.228	164	957m	0.098	ppbv	
53) Toluene	6.936	91	2944m	0.098	ppbv	
54) 1,2-Dibromoethane	7.658	107	1785m	0.121	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.930	131	1431m	0.119	ppbv	
57) Chlorobenzene	8.924	112	2743	0.118	ppbv #	69
58) Ethyl Benzene	9.360	91	3373	0.083	ppbv	98
59) m/p-Xylene	9.555	91	5111m	0.161	ppbv	
60) o-Xylene	9.969	91	2325m	0.073	ppbv	
61) Styrene	9.872	104	1357m	0.090	ppbv	
62) Isopropylbenzene	10.545	105	4380	0.093	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.962	83	2496	0.124	ppbv	93
64) n-propylbenzene	10.988	120	818m	0.065	ppbv	
65) tert-Butylbenzene	11.532	119	3191	0.075	ppbv	93
66) Benzyl Chloride	11.623	91	278m	0.051	ppbv	
67) sec-Butylbenzene	11.772	105	4491	0.075	ppbv	99
69) p-Isopropyltoluene	11.930	119	3348	0.067	ppbv #	93
70) n-Butylbenzene	12.286	91	3083	0.062	ppbv	94
71) 2-Chlorotoluene	10.901	91	2971	0.083	ppbv	96
72) 4-Ethyltoluene	11.128	105	3005	0.076	ppbv #	90
73) 1,3,5-Trimethylbenzene	11.205	105	2443	0.075	ppbv #	81
74) 1,2,4-Trimethylbenzene	11.539	105	2680	0.074	ppbv #	90
75) 1,3-Dichlorobenzene	11.610	146	1996	0.087	ppbv	100
76) 1,4-Dichlorobenzene	11.671	146	1914	0.084	ppbv	93
77) 1,2-Dichlorobenzene	11.953	146	2535	0.114	ppbv	89
78) Hexachloro-1,3-Butadiene	13.882	225	1957	0.107	ppbv	94
79) Naphthalene	13.513	128	1565	0.046	ppbv #	90
81) 1,2,4-Trichlorobenzene	13.445	180	681m	0.036	ppbv	

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

