

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070325\
 Data File : VL042704.D
 Acq On : 03 Jul 2025 12:43
 Operator : SY/MD
 Sample : Q2126-14 0.1 PPB LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

Quant Time: Jul 04 03:55:48 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M

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

QLast Update : Thu Jul 03 01:50:16 2025

Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/07/2025
 Supervised By : Mahesh Dadoda 07/07/2025

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

Internal Standards						
1) Bromochloromethane	2.794	49	114186	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	261496	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	227621	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	172840	9.872	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	1591	0.133	ppbv	89
3) Chlorodifluoromethane	1.479	51	2092	0.117	ppbv #	92
4) Chloromethane	1.538	50	732	0.156	ppbv	90
5) Vinyl Chloride	1.583	62	533	0.113	ppbv	97
6) Bromomethane	1.667	94	277	0.132	ppbv	82
7) Chloroethane	1.709	64	196	0.108	ppbv #	88
8) Dichlorotetrafluoroethane	1.557	85	1337	0.135	ppbv #	81
9) Propene	1.486	41	904m	0.135	ppbv	
10) Heptane	4.985	43	1666m	0.092	ppbv	
11) Trichlorofluoromethane	1.881	101	1597	0.127	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	1173	0.118	ppbv	96
13) Ethanol	1.725	45	215m	0.333	ppbv	
14) Bromoethene	1.784	108	443	0.127	ppbv #	92
15) Acetone	1.842	43	2472	0.218	ppbv	91
16) 1,3-Butadiene	1.612	39	830	0.159	ppbv	89
17) tert-Butyl alcohol	2.049	59	1580	0.143	ppbv #	91
18) 1,1-Dichloroethene	2.039	96	530	0.120	ppbv #	64
19) Isopropyl Alcohol	1.891	45	1236	0.190	ppbv #	98
20) Methylene Chloride	2.065	84	1417	0.327	ppbv #	85
21) Allyl Chloride	2.101	41	1226	0.155	ppbv #	77
22) trans-1,2-Dichloroethene	2.353	96	612m	0.127	ppbv	
23) Vinyl Acetate	2.467	43	2544	0.139	ppbv #	69
24) 1,1-Dichloroethane	2.415	63	1167	0.117	ppbv #	87
25) Ethyl Acetate	2.845	43	3172m	0.093	ppbv	
26) Hexane	2.829	57	1079	0.075	ppbv #	1
27) Carbon Disulfide	2.156	76	1350	0.116	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	673m	0.115	ppbv	
29) Chloroform	2.862	83	2470	0.114	ppbv #	70
30) Cyclohexane	3.865	84	705m	0.065	ppbv	
31) cis-1,2-Dichloroethene	2.726	61	1434	0.105	ppbv #	79
32) 1,1,1-Trichloroethane	3.376	97	2300m	0.111	ppbv	
34) 2-Butanone	2.567	43	2827	0.137	ppbv	92
35) Carbon Tetrachloride	3.777	117	2274m	0.126	ppbv	
36) Benzene	3.667	78	2721m	0.103	ppbv	
37) 1,2-Dichloroethane	3.227	62	1859	0.133	ppbv #	79
38) Trichloroethene	4.561	130	1225m	0.108	ppbv	
39) 1,2-Dichloropropane	4.334	63	1473m	0.143	ppbv	
40) 1,4-Dioxane	4.622	88	372m	0.093	ppbv	
41) Tetrahydrofuran	3.072	42	904m	0.086	ppbv	
42) Bromodichloromethane	4.499	83	2510m	0.127	ppbv	
43) Methyl Methacrylate	4.920	69	728m	0.086	ppbv	
44) 2,2,4-Trimethylpentane	4.648	57	3425m	0.077	ppbv	
45) t-1,3-Dichloropropene	6.435	75	993m	0.112	ppbv	

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

QLast Update : Thu Jul 03 01:50:16 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	1263m	0.103	ppbv	
47) 1,1,2-Trichloroethane	6.603	97	1332m	0.132	ppbv	
48) Dibromochloromethane	7.406	129	1813m	0.117	ppbv	
49) Bromoform	9.493	173	1297m	0.097	ppbv	
50) 4-Methyl-2-Pentanone	5.784	43	2021m	0.083	ppbv	
51) 2-Hexanone	7.454	43	1276m	0.072	ppbv	
52) Tetrachloroethene	8.247	164	931m	0.106	ppbv	
53) Toluene	6.953	91	1976	0.080	ppbv	97
54) 1,2-Dibromoethane	7.661	107	1370m	0.097	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.933	131	1579m	0.128	ppbv	
57) Chlorobenzene	8.930	112	2616	0.115	ppbv #	84
58) Ethyl Benzene	9.364	91	2318m	0.070	ppbv	
59) m/p-Xylene	9.545	91	2837m	0.103	ppbv	
60) o-Xylene	9.979	91	1575m	0.058	ppbv	
61) Styrene	9.882	104	580	0.054	ppbv #	58
62) Isopropylbenzene	10.549	105	2849	0.070	ppbv	93
63) 1,1,2,2-Tetrachloroethane	9.979	83	2242	0.107	ppbv	90
64) n-propylbenzene	11.002	120	589m	0.056	ppbv	
65) tert-Butylbenzene	11.536	119	1964m	0.056	ppbv	
66) Benzyl Chloride	11.620	91	177m	0.052	ppbv	
67) sec-Butylbenzene	11.778	105	2910m	0.054	ppbv	
69) p-Isopropyltoluene	11.934	119	1859m	0.044	ppbv	
70) n-Butylbenzene	12.293	91	1737	0.040	ppbv	92
71) 2-Chlorotoluene	10.914	91	2189	0.072	ppbv	96
72) 4-Ethyltoluene	11.134	105	1638	0.049	ppbv #	89
73) 1,3,5-Trimethylbenzene	11.215	105	1270	0.046	ppbv	98
74) 1,2,4-Trimethylbenzene	11.545	105	1418	0.045	ppbv #	77
75) 1,3-Dichlorobenzene	11.613	146	1538m	0.069	ppbv	
76) 1,4-Dichlorobenzene	11.681	146	1265	0.060	ppbv	84
77) 1,2-Dichlorobenzene	11.953	146	1590	0.070	ppbv	93
78) Hexachloro-1,3-Butadiene	13.889	225	2127	0.121	ppbv	96
79) Naphthalene	13.520	128	859	0.032	ppbv #	87
81) 1,2,4-Trichlorobenzene	13.449	180	517	0.033	ppbv #	67

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

