

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060325\
 Data File : VL042606.D
 Acq On : 03 Jun 2025 12:30
 Operator : SY/MD
 Sample : Q2126-14 0.5 LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025

Quant Time: Jun 04 01:47:53 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)

Internal Standards						
1) Bromochloromethane	2.787	49	102090	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.958	114	282273	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	253010	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 192349 10.142 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	6668	0.531	ppbv	97
3) Chlorodifluoromethane	1.476	51	9974	0.577	ppbv	98
4) Chloromethane	1.531	50	2671	0.538	ppbv	96
5) Vinyl Chloride	1.580	62	2637	0.521	ppbv	96
6) Bromomethane	1.667	94	1278	0.519	ppbv #	56
7) Chloroethane	1.706	64	869	0.442	ppbv	93
8) Dichlorotetrafluoroethane	1.554	85	5757	0.551	ppbv	98
9) Propene	1.482	41	3597	0.517	ppbv	90
10) Heptane	4.975	43	9438m	0.481	ppbv	
11) Trichlorofluoromethane	1.877	101	6787	0.581	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	4890	0.533	ppbv	100
13) Ethanol	1.719	45	981	1.183	ppbv #	45
14) Bromoethene	1.783	108	1830	0.531	ppbv #	94
15) Acetone	1.835	43	8358	0.680	ppbv	94
16) 1,3-Butadiene	1.609	39	3248	0.558	ppbv	94
17) tert-Butyl alcohol	2.042	59	7145	0.558	ppbv #	92
18) 1,1-Dichloroethene	2.033	96	2279	0.536	ppbv	95
19) Isopropyl Alcohol	1.887	45	3768	0.513	ppbv #	53
20) Methylene Chloride	2.062	84	2558	0.630	ppbv	93
21) Allyl Chloride	2.094	41	4659	0.537	ppbv	90
22) trans-1,2-Dichloroethene	2.337	96	2765	0.583	ppbv	91
23) Vinyl Acetate	2.463	43	8217	0.494	ppbv #	88
24) 1,1-Dichloroethane	2.408	63	5627	0.576	ppbv	96
25) Ethyl Acetate	2.839	43	18729	0.557	ppbv	99
26) Hexane	2.826	57	6937	0.454	ppbv #	74
27) Carbon Disulfide	2.149	76	5691	0.485	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	2887	0.465	ppbv #	82
29) Chloroform	2.848	83	11410	0.574	ppbv	92
30) Cyclohexane	3.852	84	6036m	0.476	ppbv	
31) cis-1,2-Dichloroethene	2.719	61	7957	0.569	ppbv	91
32) 1,1,1-Trichloroethane	3.366	97	10547	0.519	ppbv	94
34) 2-Butanone	2.560	43	12502	0.621	ppbv	99
35) Carbon Tetrachloride	3.761	117	10776	0.578	ppbv	89
36) Benzene	3.658	78	15107	0.543	ppbv	97
37) 1,2-Dichloroethane	3.221	62	8513	0.616	ppbv	97
38) Trichloroethene	4.548	130	6021	0.510	ppbv #	88
39) 1,2-Dichloropropane	4.315	63	5853	0.569	ppbv #	86
40) 1,4-Dioxane	4.609	88	2986m	0.649	ppbv	
41) Tetrahydrofuran	3.065	42	5847	0.496	ppbv #	92
42) Bromodichloromethane	4.486	83	11336	0.578	ppbv #	90
43) Methyl Methacrylate	4.884	69	5404m	0.501	ppbv	
44) 2,2,4-Trimethylpentane	4.638	57	25186	0.530	ppbv	97
45) t-1,3-Dichloropropene	6.418	75	5860m	0.475	ppbv	

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Quant Title : AIR ANALYSIS BY METHOD T0-15 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	5.593	75	7412m	0.479	ppbv	
47) 1,1,2-Trichloroethane	6.577	97	5736m	0.539	ppbv	
48) Dibromochloromethane	7.383	129	9168m	0.538	ppbv	
49) Bromoform	9.483	173	7309	0.497	ppbv	98
50) 4-Methyl-2-Pentanone	5.768	43	13842m	0.496	ppbv	
51) 2-Hexanone	7.448	43	9544	0.431	ppbv #	95
52) Tetrachloroethene	8.224	164	5119	0.493	ppbv	94
53) Toluene	6.933	91	15538	0.484	ppbv	97
54) 1,2-Dibromoethane	7.652	107	8170	0.519	ppbv	87
56) 1,1,1,2-Tetrachloroethane	8.920	131	7220	0.568	ppbv #	1
57) Chlorobenzene	8.920	112	13677	0.557	ppbv	94
58) Ethyl Benzene	9.357	91	20163	0.470	ppbv	95
59) m/p-Xylene	9.551	91	32309m	0.957	ppbv	
60) o-Xylene	9.966	91	16108	0.478	ppbv	99
61) Styrene	9.872	104	6236	0.392	ppbv #	89
62) Isopropylbenzene	10.542	105	25034	0.503	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.962	83	12026	0.561	ppbv	97
64) n-propylbenzene	10.988	120	6377	0.478	ppbv	94
65) tert-Butylbenzene	11.532	119	21719	0.481	ppbv	96
66) Benzyl Chloride	11.613	91	2151	0.370	ppbv #	96
67) sec-Butylbenzene	11.769	105	32248	0.508	ppbv	96
69) p-Isopropyltoluene	11.927	119	24672	0.464	ppbv	97
70) n-Butylbenzene	12.283	91	24548	0.468	ppbv	97
71) 2-Chlorotoluene	10.901	91	18913	0.498	ppbv	97
72) 4-Ethyltoluene	11.124	105	19093	0.455	ppbv #	97
73) 1,3,5-Trimethylbenzene	11.202	105	16443	0.473	ppbv	95
74) 1,2,4-Trimethylbenzene	11.535	105	18926	0.491	ppbv #	90
75) 1,3-Dichlorobenzene	11.607	146	13116	0.541	ppbv	99
76) 1,4-Dichlorobenzene	11.671	146	12007	0.497	ppbv	94
77) 1,2-Dichlorobenzene	11.950	146	13433	0.571	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	11543	0.593	ppbv	100
79) Naphthalene	13.516	128	14320	0.394	ppbv	98
80) Naphthalene,2-methyl-	14.461	142	4406	0.268	ppbv	96
81) 1,2,4-Trichlorobenzene	13.442	180	7898	0.389	ppbv	96

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

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