

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060525\
 Data File : VL042618.D
 Acq On : 05 Jun 2025 12:37
 Operator : SY/MD
 Sample : Q2126-15 MDL 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jun 06 01:40:30 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	2.787	49	101525	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	268368	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	239459	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.380	95	185484	10.333	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.300%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.499	85	5834m	0.468	ppbv	
3) Chlorodifluoromethane	1.476	51	8609	0.501	ppbv	99
4) Chloromethane	1.534	50	2342	0.474	ppbv	99
5) Vinyl Chloride	1.580	62	2081	0.413	ppbv	90
6) Bromomethane	1.667	94	1095	0.447	ppbv #	71
7) Chloroethane	1.706	64	824	0.421	ppbv #	89
8) Dichlorotetrafluoroethane	1.554	85	4295	0.413	ppbv	90
9) Propene	1.482	41	2793	0.404	ppbv	97
10) Heptane	4.985	43	6651m	0.341	ppbv	
11) Trichlorofluoromethane	1.877	101	5399	0.465	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	4630	0.508	ppbv	91
13) Ethanol	1.722	45	400	0.485	ppbv #	39
14) Bromoethene	1.780	108	1795	0.523	ppbv #	84
15) Acetone	1.839	43	6109	0.500	ppbv	97
16) 1,3-Butadiene	1.609	39	2657	0.459	ppbv	96
17) tert-Butyl alcohol	2.042	59	5239	0.411	ppbv #	88
18) 1,1-Dichloroethene	2.036	96	1824	0.432	ppbv #	92
19) Isopropyl Alcohol	1.887	45	3465	0.474	ppbv #	79
20) Methylene Chloride	2.062	84	2244	0.556	ppbv	86
21) Allyl Chloride	2.097	41	4030m	0.467	ppbv	
22) trans-1,2-Dichloroethene	2.340	96	2520m	0.534	ppbv	
23) Vinyl Acetate	2.463	43	8853m	0.536	ppbv	
24) 1,1-Dichloroethane	2.411	63	4505	0.464	ppbv #	87
25) Ethyl Acetate	2.842	43	13511	0.404	ppbv #	97
26) Hexane	2.829	57	5377	0.354	ppbv #	82
27) Carbon Disulfide	2.149	76	4682	0.401	ppbv #	46
28) Methyl tert-Butyl Ether	2.444	73	2905	0.471	ppbv	93
29) Chloroform	2.852	83	8954	0.453	ppbv	89
30) Cyclohexane	3.858	84	4371m	0.347	ppbv	
31) cis-1,2-Dichloroethene	2.722	61	6124	0.440	ppbv	96
32) 1,1,1-Trichloroethane	3.373	97	8698	0.431	ppbv	97
34) 2-Butanone	2.564	43	9721m	0.508	ppbv	
35) Carbon Tetrachloride	3.764	117	8509	0.480	ppbv	92
36) Benzene	3.658	78	11480	0.434	ppbv	98
37) 1,2-Dichloroethane	3.221	62	7098	0.540	ppbv	98
38) Trichloroethene	4.557	130	5300m	0.472	ppbv	
39) 1,2-Dichloropropane	4.318	63	4686m	0.479	ppbv	
40) 1,4-Dioxane	4.603	88	1809m	0.414	ppbv	
41) Tetrahydrofuran	3.068	42	4724m	0.422	ppbv	
42) Bromodichloromethane	4.496	83	9506m	0.510	ppbv	
43) Methyl Methacrylate	4.891	69	3680m	0.359	ppbv	
44) 2,2,4-Trimethylpentane	4.648	57	18444m	0.408	ppbv	
45) t-1,3-Dichloropropene	6.425	75	4368m	0.372	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	5501m	0.374	ppbv	
47) 1,1,2-Trichloroethane	6.590	97	4494m	0.444	ppbv	
48) Dibromochloromethane	7.393	129	7011	0.433	ppbv	95
49) Bromoform	9.490	173	5476	0.392	ppbv	98
50) 4-Methyl-2-Pentanone	5.784	43	10699m	0.403	ppbv	
51) 2-Hexanone	7.451	43	6574m	0.312	ppbv	
52) Tetrachloroethene	8.224	164	4040m	0.409	ppbv	
53) Toluene	6.943	91	10988m	0.360	ppbv	
54) 1,2-Dibromoethane	7.661	107	7080	0.473	ppbv	89
56) 1,1,1,2-Tetrachloroethane	8.933	131	5794m	0.481	ppbv	
57) Chlorobenzene	8.930	112	11467m	0.493	ppbv	
58) Ethyl Benzene	9.360	91	13713	0.338	ppbv	94
59) m/p-Xylene	9.558	91	22616m	0.708	ppbv	
60) o-Xylene	9.969	91	10981	0.344	ppbv	95
61) Styrene	9.872	104	4246m	0.282	ppbv	
62) Isopropylbenzene	10.545	105	17205	0.365	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.966	83	9537m	0.470	ppbv	
64) n-propylbenzene	10.992	120	4310	0.341	ppbv	83
65) tert-Butylbenzene	11.536	119	14612	0.342	ppbv	94
66) Benzyl Chloride	11.620	91	1436m	0.261	ppbv	
67) sec-Butylbenzene	11.772	105	22340	0.372	ppbv	97
69) p-Isopropyltoluene	11.930	119	16489	0.328	ppbv	98
70) n-Butylbenzene	12.286	91	15308	0.308	ppbv	99
71) 2-Chlorotoluene	10.908	91	13281	0.370	ppbv	97
72) 4-Ethyltoluene	11.131	105	13006	0.327	ppbv #	96
73) 1,3,5-Trimethylbenzene	11.209	105	10507	0.319	ppbv	95
74) 1,2,4-Trimethylbenzene	11.539	105	12594	0.345	ppbv #	83
75) 1,3-Dichlorobenzene	11.610	146	9345	0.408	ppbv	97
76) 1,4-Dichlorobenzene	11.675	146	9375	0.410	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	10236	0.460	ppbv	97
78) Hexachloro-1,3-Butadiene	13.882	225	8479	0.461	ppbv	96
79) Naphthalene	13.516	128	6344	0.184	ppbv	96
80) Naphthalene,2-methyl-	14.471	142	506	0.033	ppbv	91
81) 1,2,4-Trichlorobenzene	13.442	180	4283	0.223	ppbv	96

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

