

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041877.D
 Acq On : 09 Jan 2025 21:16
 Operator : SY/MD
 Sample : MDL 0.4
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.4

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 10 01:49:36 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

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

QLast Update : Fri Jan 10 00:31:30 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	127347	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	371788	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	336513	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.386 95 271852 10.075 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.700%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.502	85	9803m	0.469	ppbv	
3) Chlorodifluoromethane	1.479	51	10744	0.468	ppbv #	92
4) Chloromethane	1.534	50	4409	0.543	ppbv	98
5) Vinyl Chloride	1.583	62	4405	0.510	ppbv	97
6) Bromomethane	1.670	94	1998	0.491	ppbv	84
7) Chloroethane	1.709	64	1911	0.570	ppbv	95
8) Dichlorotetrafluoroethane	1.557	85	9574	0.527	ppbv	89
9) Propene	1.486	41	5690	0.531	ppbv	94
10) Heptane	5.004	43	12010m	0.425	ppbv	
11) Trichlorofluoromethane	1.884	101	11291	0.525	ppbv	88
12) 1,1,2-Trichlorotrifluo...	2.149	101	9194	0.529	ppbv	91
13) Ethanol	1.725	45	627m	0.921	ppbv	
14) Bromoethene	1.787	108	3067	0.493	ppbv #	87
15) Acetone	1.842	43	12885	0.600	ppbv	97
16) 1,3-Butadiene	1.612	39	4758	0.516	ppbv	93
17) tert-Butyl alcohol	2.049	59	12089	0.496	ppbv #	89
18) 1,1-Dichloroethene	2.039	96	3921m	0.498	ppbv	
19) Isopropyl Alcohol	1.894	45	6668	0.591	ppbv #	36
20) Methylene Chloride	2.068	84	4975	0.679	ppbv	90
21) Allyl Chloride	2.104	41	6358	0.463	ppbv #	84
22) trans-1,2-Dichloroethene	2.350	96	4078m	0.448	ppbv	
23) Vinyl Acetate	2.470	43	4689m	0.431	ppbv	
24) 1,1-Dichloroethane	2.418	63	9175	0.532	ppbv	100
25) Ethyl Acetate	2.848	43	24334	0.456	ppbv	97
26) Hexane	2.835	57	10167	0.463	ppbv	95
27) Carbon Disulfide	2.156	76	8696	0.414	ppbv #	1
28) Methyl tert-Butyl Ether	2.450	73	6776	0.404	ppbv #	83
29) Chloroform	2.858	83	15631	0.509	ppbv #	82
30) Cyclohexane	3.871	84	8647	0.459	ppbv	94
31) cis-1,2-Dichloroethene	2.732	61	10336	0.482	ppbv	93
32) 1,1,1-Trichloroethane	3.382	97	13358	0.438	ppbv	96
34) 2-Butanone	2.570	43	14574	0.472	ppbv	96
35) Carbon Tetrachloride	3.777	117	12744	0.441	ppbv #	95
36) Benzene	3.670	78	20257	0.470	ppbv #	83
37) 1,2-Dichloroethane	3.227	62	11849	0.524	ppbv	98
38) Trichloroethene	4.564	130	8209m	0.482	ppbv	
39) 1,2-Dichloropropane	4.337	63	8060m	0.525	ppbv	
40) 1,4-Dioxane	4.635	88	3776m	0.489	ppbv	
41) Tetrahydrofuran	3.078	42	8466	0.466	ppbv	99
42) Bromodichloromethane	4.502	83	14016m	0.451	ppbv	
43) Methyl Methacrylate	4.904	69	7747m	0.439	ppbv	
44) 2,2,4-Trimethylpentane	4.658	57	34042	0.467	ppbv	97
45) t-1,3-Dichloropropene	6.438	75	7466m	0.413	ppbv	

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

QLast Update : Fri Jan 10 00:31:30 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.625	75	9399m	0.405	ppbv	
47) 1,1,2-Trichloroethane	6.609	97	7359m	0.456	ppbv	
48) Dibromochloromethane	7.402	129	9624	0.393	ppbv	96
49) Bromoform	9.493	173	7655	0.358	ppbv	99
50) 4-Methyl-2-Pentanone	5.800	43	19594m	0.444	ppbv	
51) 2-Hexanone	7.461	43	14919m	0.411	ppbv	
52) Tetrachloroethene	8.234	164	7504m	0.454	ppbv	
53) Toluene	6.952	91	23105m	0.450	ppbv	
54) 1,2-Dibromoethane	7.664	107	10438	0.475	ppbv	91
56) 1,1,1,2-Tetrachloroethane	8.936	131	9676	0.482	ppbv #	1
57) Chlorobenzene	8.933	112	18725	0.499	ppbv	88
58) Ethyl Benzene	9.364	91	29925	0.433	ppbv	99
59) m/p-Xylene	9.545	91	49892m	0.912	ppbv	
60) o-Xylene	9.972	91	24391	0.447	ppbv	98
61) Styrene	9.882	104	11338	0.416	ppbv	96
62) Isopropylbenzene	10.552	105	37184	0.453	ppbv	96
63) 1,1,2,2-Tetrachloroethane	9.975	83	15075	0.460	ppbv	90
64) n-propylbenzene	10.998	120	9322	0.436	ppbv	96
65) tert-Butylbenzene	11.542	119	34265	0.461	ppbv	96
66) Benzyl Chloride	11.623	91	2375	0.309	ppbv	98
67) sec-Butylbenzene	11.778	105	48652	0.475	ppbv	98
69) p-Isopropyltoluene	11.937	119	39326	0.450	ppbv	99
70) n-Butylbenzene	12.293	91	38289	0.437	ppbv	100
71) 2-Chlorotoluene	10.911	91	27864	0.438	ppbv	98
72) 4-Ethyltoluene	11.134	105	29242	0.437	ppbv	98
73) 1,3,5-Trimethylbenzene	11.215	105	24983	0.440	ppbv	92
74) 1,2,4-Trimethylbenzene	11.548	105	28377	0.460	ppbv #	89
75) 1,3-Dichlorobenzene	11.616	146	18072	0.489	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	17706	0.484	ppbv	98
77) 1,2-Dichlorobenzene	11.956	146	18212	0.521	ppbv	99
78) Hexachloro-1,3-Butadiene	13.895	225	14604	0.486	ppbv	97
79) Naphthalene	13.523	128	27332	0.411	ppbv #	94
80) Naphthalene,2-methyl-	14.471	142	12032	0.336	ppbv	100
81) 1,2,4-Trichlorobenzene	13.448	180	14159	0.448	ppbv	98

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

