

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041878.D
 Acq On : 09 Jan 2025 21:46
 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 01:50:44 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	2.800	49	124320	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	373355	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	329798	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.390 95 263593 9.968 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	10409	0.510	ppbv	100
3) Chlorodifluoromethane	1.483	51	10478	0.467	ppbv	95
4) Chloromethane	1.538	50	4067	0.513	ppbv #	67
5) Vinyl Chloride	1.586	62	3551	0.421	ppbv #	78
6) Bromomethane	1.677	94	2075	0.522	ppbv #	57
7) Chloroethane	1.712	64	1919	0.587	ppbv #	86
8) Dichlorotetrafluoroethane	1.560	85	9198	0.518	ppbv	94
9) Propene	1.489	41	4781	0.457	ppbv #	83
10) Heptane	5.001	43	12567m	0.456	ppbv	
11) Trichlorofluoromethane	1.887	101	10898	0.520	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.153	101	9156	0.540	ppbv	99
13) Ethanol	1.729	45	666m	1.002	ppbv	
14) Bromoethene	1.787	108	3191	0.525	ppbv #	92
15) Acetone	1.845	43	12978m	0.619	ppbv	
16) 1,3-Butadiene	1.615	39	4840	0.537	ppbv	99
17) tert-Butyl alcohol	2.052	59	10740	0.451	ppbv #	83
18) 1,1-Dichloroethene	2.043	96	4061	0.529	ppbv	93
19) Isopropyl Alcohol	1.897	45	6579	0.597	ppbv #	85
20) Methylene Chloride	2.072	84	4351	0.608	ppbv #	81
21) Allyl Chloride	2.107	41	6897	0.514	ppbv	97
22) trans-1,2-Dichloroethene	2.350	96	4612m	0.519	ppbv	
23) Vinyl Acetate	2.473	43	5004m	0.471	ppbv	
24) 1,1-Dichloroethane	2.418	63	8636	0.513	ppbv #	92
25) Ethyl Acetate	2.855	43	23509	0.451	ppbv #	95
26) Hexane	2.839	57	10116	0.472	ppbv	91
27) Carbon Disulfide	2.159	76	9292	0.453	ppbv #	1
28) Methyl tert-Butyl Ether	2.457	73	7694	0.470	ppbv #	90
29) Chloroform	2.858	83	15090	0.503	ppbv	84
30) Cyclohexane	3.875	84	8682	0.472	ppbv	96
31) cis-1,2-Dichloroethene	2.735	61	9485	0.453	ppbv	98
32) 1,1,1-Trichloroethane	3.386	97	13475	0.452	ppbv	97
34) 2-Butanone	2.573	43	14173	0.457	ppbv	100
35) Carbon Tetrachloride	3.784	117	12221	0.421	ppbv	99
36) Benzene	3.680	78	19856	0.458	ppbv	93
37) 1,2-Dichloroethane	3.237	62	12249	0.539	ppbv #	95
38) Trichloroethene	4.567	130	7658m	0.448	ppbv	
39) 1,2-Dichloropropane	4.337	63	7489m	0.486	ppbv	
40) 1,4-Dioxane	4.629	88	3469m	0.448	ppbv	
41) Tetrahydrofuran	3.078	42	7887m	0.433	ppbv	
42) Bromodichloromethane	4.512	83	13602	0.436	ppbv	92
43) Methyl Methacrylate	4.910	69	7223m	0.407	ppbv	
44) 2,2,4-Trimethylpentane	4.664	57	33556	0.459	ppbv	95
45) t-1,3-Dichloropropene	6.451	75	6604m	0.364	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	5.632	75	9355m	0.402	ppbv	
47) 1,1,2-Trichloroethane	6.613	97	8355m	0.515	ppbv	
48) Dibromochloromethane	7.402	129	9716m	0.395	ppbv	
49) Bromoform	9.500	173	7434	0.347	ppbv	98
50) 4-Methyl-2-Pentanone	5.800	43	18888m	0.426	ppbv	
51) 2-Hexanone	7.474	43	13967m	0.383	ppbv	
52) Tetrachloroethene	8.250	164	7465m	0.450	ppbv	
53) Toluene	6.959	91	22124	0.429	ppbv	95
54) 1,2-Dibromoethane	7.674	107	9847	0.447	ppbv	91
56) 1,1,1,2-Tetrachloroethane	8.943	131	9018	0.459	ppbv #	1
57) Chlorobenzene	8.940	112	17769	0.483	ppbv	95
58) Ethyl Benzene	9.374	91	29529	0.435	ppbv	97
59) m/p-Xylene	9.565	91	48518m	0.905	ppbv	
60) o-Xylene	9.979	91	24191	0.453	ppbv	97
61) Styrene	9.885	104	10684	0.400	ppbv	97
62) Isopropylbenzene	10.555	105	35856	0.446	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.982	83	14487	0.451	ppbv	99
64) n-propylbenzene	11.002	120	9714	0.463	ppbv	89
65) tert-Butylbenzene	11.545	119	33528	0.460	ppbv	99
66) Benzyl Chloride	11.626	91	2168	0.287	ppbv #	94
67) sec-Butylbenzene	11.782	105	45883	0.457	ppbv	100
69) p-Isopropyltoluene	11.940	119	37916	0.443	ppbv	100
70) n-Butylbenzene	12.296	91	37329	0.434	ppbv	99
71) 2-Chlorotoluene	10.914	91	28380	0.456	ppbv	99
72) 4-Ethyltoluene	11.141	105	29119	0.444	ppbv #	97
73) 1,3,5-Trimethylbenzene	11.215	105	24361	0.438	ppbv	92
74) 1,2,4-Trimethylbenzene	11.549	105	26021	0.431	ppbv #	79
75) 1,3-Dichlorobenzene	11.620	146	16575	0.457	ppbv	93
76) 1,4-Dichlorobenzene	11.685	146	16999	0.474	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	17456	0.510	ppbv	98
78) Hexachloro-1,3-Butadiene	13.898	225	14849	0.504	ppbv	98
79) Naphthalene	13.526	128	26169	0.402	ppbv	99
80) Naphthalene,2-methyl-	14.475	142	12018	0.342	ppbv	98
81) 1,2,4-Trichlorobenzene	13.455	180	14529	0.469	ppbv	99

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

