

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041879.D
 Acq On : 09 Jan 2025 22:17
 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 01:52:04 2025

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

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)

Internal Standards						
1) Bromochloromethane	2.800	49	121142	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	366226	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	329631	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.390	95	263876	9.983	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	11233	0.565	ppbv	98
3) Chlorodifluoromethane	1.479	51	11207	0.513	ppbv #	91
4) Chloromethane	1.538	50	4077	0.527	ppbv #	81
5) Vinyl Chloride	1.586	62	3997	0.486	ppbv #	86
6) Bromomethane	1.677	94	2061	0.532	ppbv	91
7) Chloroethane	1.709	64	1659	0.521	ppbv #	82
8) Dichlorotetrafluoroethane	1.560	85	9599	0.555	ppbv	93
9) Propene	1.489	41	5254	0.515	ppbv	85
10) Heptane	5.007	43	12291m	0.457	ppbv	
11) Trichlorofluoromethane	1.884	101	10995	0.538	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.149	101	9039	0.547	ppbv	98
13) Ethanol	1.729	45	579m	0.894	ppbv	
14) Bromoethene	1.790	108	3238	0.547	ppbv #	95
15) Acetone	1.842	43	13816	0.676	ppbv	98
16) 1,3-Butadiene	1.615	39	4458	0.508	ppbv	93
17) tert-Butyl alcohol	2.052	59	12123	0.523	ppbv #	89
18) 1,1-Dichloroethene	2.039	96	4350	0.581	ppbv	95
19) Isopropyl Alcohol	1.897	45	6814	0.635	ppbv	87
20) Methylene Chloride	2.069	84	4388	0.630	ppbv #	90
21) Allyl Chloride	2.104	41	6531	0.500	ppbv #	84
22) trans-1,2-Dichloroethene	2.353	96	4697	0.542	ppbv	93
23) Vinyl Acetate	2.473	43	5814	0.562	ppbv #	80
24) 1,1-Dichloroethane	2.418	63	9364	0.571	ppbv #	93
25) Ethyl Acetate	2.855	43	23966	0.472	ppbv	99
26) Hexane	2.839	57	10202	0.488	ppbv	92
27) Carbon Disulfide	2.159	76	8656	0.433	ppbv #	1
28) Methyl tert-Butyl Ether	2.450	73	6661	0.418	ppbv #	88
29) Chloroform	2.858	83	15434	0.528	ppbv	99
30) Cyclohexane	3.875	84	8999	0.502	ppbv	97
31) cis-1,2-Dichloroethene	2.732	61	9955m	0.488	ppbv	
32) 1,1,1-Trichloroethane	3.386	97	13839	0.477	ppbv	99
34) 2-Butanone	2.573	43	14922	0.490	ppbv	100
35) Carbon Tetrachloride	3.781	117	12308m	0.432	ppbv	
36) Benzene	3.677	78	19420	0.457	ppbv #	92
37) 1,2-Dichloroethane	3.234	62	11074	0.497	ppbv #	92
38) Trichloroethene	4.570	130	7999	0.477	ppbv	86
39) 1,2-Dichloropropane	4.337	63	7491	0.496	ppbv	90
40) 1,4-Dioxane	4.622	88	3773m	0.496	ppbv	
41) Tetrahydrofuran	3.078	42	7317	0.409	ppbv	89
42) Bromodichloromethane	4.515	83	13624	0.445	ppbv #	97
43) Methyl Methacrylate	4.917	69	7450m	0.428	ppbv	
44) 2,2,4-Trimethylpentane	4.661	57	32989	0.460	ppbv	94
45) t-1,3-Dichloropropene	6.454	75	6820m	0.383	ppbv	

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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	8585m	0.376	ppbv	
47) 1,1,2-Trichloroethane	6.616	97	7689m	0.484	ppbv	
48) Dibromochloromethane	7.406	129	9931m	0.412	ppbv	
49) Bromoform	9.500	173	7759	0.369	ppbv	99
50) 4-Methyl-2-Pentanone	5.800	43	18471m	0.425	ppbv	
51) 2-Hexanone	7.470	43	14053m	0.393	ppbv	
52) Tetrachloroethene	8.244	164	6847m	0.421	ppbv	
53) Toluene	6.962	91	22390	0.443	ppbv	99
54) 1,2-Dibromoethane	7.678	107	10163	0.470	ppbv	89
56) 1,1,1,2-Tetrachloroethane	8.943	131	8421	0.429	ppbv	83
57) Chlorobenzene	8.937	112	18928	0.515	ppbv	94
58) Ethyl Benzene	9.370	91	29858	0.441	ppbv	98
59) m/p-Xylene	9.565	91	49404m	0.922	ppbv	
60) o-Xylene	9.982	91	24990	0.468	ppbv	97
61) Styrene	9.888	104	10124	0.379	ppbv	94
62) Isopropylbenzene	10.555	105	37087	0.461	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.979	83	15575	0.485	ppbv	99
64) n-propylbenzene	11.002	120	9013	0.430	ppbv	95
65) tert-Butylbenzene	11.542	119	33710	0.463	ppbv	99
66) Benzyl Chloride	11.626	91	2114	0.280	ppbv #	90
67) sec-Butylbenzene	11.782	105	45602	0.455	ppbv	98
69) p-Isopropyltoluene	11.940	119	37694	0.440	ppbv	95
70) n-Butylbenzene	12.296	91	36383	0.424	ppbv	97
71) 2-Chlorotoluene	10.914	91	28385	0.456	ppbv	100
72) 4-Ethyltoluene	11.138	105	29045	0.443	ppbv	97
73) 1,3,5-Trimethylbenzene	11.215	105	23820	0.428	ppbv	95
74) 1,2,4-Trimethylbenzene	11.549	105	28511	0.472	ppbv #	90
75) 1,3-Dichlorobenzene	11.620	146	17437	0.481	ppbv	97
76) 1,4-Dichlorobenzene	11.685	146	18243	0.509	ppbv	98
77) 1,2-Dichlorobenzene	11.960	146	17986	0.525	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	15115	0.514	ppbv	95
79) Naphthalene	13.526	128	26258	0.403	ppbv	98
80) Naphthalene,2-methyl-	14.471	142	11408	0.325	ppbv	94
81) 1,2,4-Trichlorobenzene	13.452	180	14876	0.480	ppbv	97

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

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