

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
 Data File : VL042513.D
 Acq On : 07 May 2025 12:09
 Operator : SY/MD
 Sample : MDL2 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.45

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2025
 Supervised By :Mahesh Dadoda 05/09/2025

Quant Time: May 08 01:32:37 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M

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

QLast Update : Fri May 02 03:16:31 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	78575	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	203636	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	170630	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 152135 9.617 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	6681	0.514	ppbv	96
3) Chlorodifluoromethane	1.476	51	7420	0.540	ppbv	100
4) Chloromethane	1.534	50	2803	0.516	ppbv	92
5) Vinyl Chloride	1.583	62	2822	0.516	ppbv	90
6) Bromomethane	1.667	94	1333	0.516	ppbv #	65
7) Chloroethane	1.706	64	1121	0.555	ppbv	89
8) Dichlorotetrafluoroethane	1.557	85	5226	0.488	ppbv	98
9) Propene	1.486	41	2331	0.518	ppbv	96
10) Heptane	4.981	43	4471m	0.383	ppbv	
11) Trichlorofluoromethane	1.881	101	6742	0.562	ppbv	89
12) 1,1,2-Trichlorotrifluo...	2.146	101	5753	0.601	ppbv	100
13) Ethanol	1.725	45	753m	0.825	ppbv	
14) Bromoethene	1.784	108	1860	0.526	ppbv #	93
15) Acetone	1.839	43	9337	0.651	ppbv	99
16) 1,3-Butadiene	1.609	39	2974	0.470	ppbv	87
17) tert-Butyl alcohol	2.046	59	6364	0.504	ppbv #	83
18) 1,1-Dichloroethene	2.036	96	2295	0.513	ppbv	87
19) Isopropyl Alcohol	1.890	45	3982	0.502	ppbv #	98
20) Methylene Chloride	2.065	84	2895	0.671	ppbv #	74
21) Allyl Chloride	2.098	41	3975	0.431	ppbv #	79
22) trans-1,2-Dichloroethene	2.340	96	2446	0.468	ppbv	88
23) Vinyl Acetate	2.467	43	6975	0.510	ppbv #	83
24) 1,1-Dichloroethane	2.412	63	5985	0.562	ppbv #	92
25) Ethyl Acetate	2.845	43	8259	0.360	ppbv #	88
26) Hexane	2.832	57	4385	0.438	ppbv	93
27) Carbon Disulfide	2.153	76	6291	0.539	ppbv #	31
28) Methyl tert-Butyl Ether	2.447	73	3364	0.560	ppbv	91
29) Chloroform	2.852	83	9876	0.527	ppbv #	80
30) Cyclohexane	3.865	84	3181m	0.380	ppbv	
31) cis-1,2-Dichloroethene	2.725	61	4665	0.400	ppbv	96
32) 1,1,1-Trichloroethane	3.376	97	8352	0.411	ppbv #	83
34) 2-Butanone	2.564	43	7876	0.535	ppbv	97
35) Carbon Tetrachloride	3.774	117	9391	0.508	ppbv #	75
36) Benzene	3.664	78	10033	0.522	ppbv #	91
37) 1,2-Dichloroethane	3.227	62	7639	0.516	ppbv	97
38) Trichloroethene	4.557	130	3874m	0.529	ppbv	
39) 1,2-Dichloropropane	4.321	63	3514m	0.488	ppbv	
40) 1,4-Dioxane	4.612	88	1588m	0.471	ppbv	
41) Tetrahydrofuran	3.069	42	2989m	0.427	ppbv	
42) Bromodichloromethane	4.499	83	9663m	0.534	ppbv	
43) Methyl Methacrylate	4.897	69	2456m	0.342	ppbv	
44) 2,2,4-Trimethylpentane	4.651	57	14145m	0.454	ppbv	
45) t-1,3-Dichloropropene	6.418	75	3732m	0.397	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
 Data File : VL042513.D
 Acq On : 07 May 2025 12:09
 Operator : SY/MD
 Sample : MDL2 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.45

Quant Time: May 08 01:32:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/08/2025
 Supervised By : Mahesh Dadoda 05/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	4415m	0.395	ppbv	
47) 1,1,2-Trichloroethane	6.593	97	4308m	0.546	ppbv	
48) Dibromochloromethane	7.393	129	5963m	0.448	ppbv	
49) Bromoform	9.487	173	5171m	0.463	ppbv	
50) 4-Methyl-2-Pentanone	5.771	43	7074m	0.380	ppbv	
51) 2-Hexanone	7.451	43	5196m	0.349	ppbv	
52) Tetrachloroethene	8.234	164	3220m	0.440	ppbv	
53) Toluene	6.943	91	7834m	0.385	ppbv	
54) 1,2-Dibromoethane	7.658	107	5762m	0.478	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.933	131	6075	0.603	ppbv	96
57) Chlorobenzene	8.927	112	7974	0.465	ppbv #	86
58) Ethyl Benzene	9.367	91	10193	0.357	ppbv #	88
59) m/p-Xylene	9.552	91	16285m	0.681	ppbv	
60) o-Xylene	9.969	91	7134	0.298	ppbv	89
61) Styrene	9.878	104	2560m	0.287	ppbv	
62) Isopropylbenzene	10.548	105	12919	0.374	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.969	83	9078	0.550	ppbv	95
64) n-propylbenzene	10.992	120	2868	0.340	ppbv	88
65) tert-Butylbenzene	11.536	119	10170	0.330	ppbv	94
66) Benzyl Chloride	11.620	91	1560	0.438	ppbv #	86
67) sec-Butylbenzene	11.775	105	15097	0.345	ppbv	97
69) p-Isopropyltoluene	11.930	119	11304	0.306	ppbv #	90
70) n-Butylbenzene	12.283	91	10886m	0.285	ppbv	
71) 2-Chlorotoluene	10.904	91	10430	0.385	ppbv	99
72) 4-Ethyltoluene	11.131	105	9734	0.345	ppbv #	95
73) 1,3,5-Trimethylbenzene	11.215	105	8555	0.345	ppbv #	82
74) 1,2,4-Trimethylbenzene	11.542	105	10098	0.336	ppbv #	91
75) 1,3-Dichlorobenzene	11.613	146	7790	0.466	ppbv	97
76) 1,4-Dichlorobenzene	11.678	146	7027	0.444	ppbv	91
77) 1,2-Dichlorobenzene	11.956	146	7716	0.472	ppbv	90
78) Hexachloro-1,3-Butadiene	13.885	225	8321	0.509	ppbv	97
79) Naphthalene	13.520	128	6566	0.260	ppbv #	92
80) Naphthalene,2-methyl-	14.458	142	1672	0.089	ppbv	96
81) 1,2,4-Trichlorobenzene	13.445	180	3304	0.245	ppbv #	80

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

