

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
 Data File : VL042230.D
 Acq On : 07 Apr 2025 11:09
 Operator : SY/MD
 Sample : VL0407ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/08/2025
 Supervised By : Mahesh Dadoda 04/09/2025

Quant Time: Apr 08 01:29:41 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	197822	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.978	114	531347	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.901	117	473981	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 398322 10.233 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	273487	9.363	ppbv	100
3) Chlorodifluoromethane	1.479	51	276521	9.267	ppbv	97
4) Chloromethane	1.538	50	106766	8.944	ppbv	99
5) Vinyl Chloride	1.586	62	101600	8.032	ppbv	94
6) Bromomethane	1.674	94	44439	8.215	ppbv	98
7) Chloroethane	1.709	64	42458	8.861	ppbv	97
8) Dichlorotetrafluoroethane	1.560	85	230477	9.266	ppbv	94
9) Propene	1.489	41	106235	7.768	ppbv	97
10) Heptane	5.001	43	311035	8.550	ppbv	100
11) Trichlorofluoromethane	1.884	101	260770	9.175	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.149	101	210391	9.006	ppbv	96
13) Ethanol	1.729	45	5394	4.172	ppbv	97
14) Bromoethene	1.787	108	71737	8.016	ppbv	97
15) Acetone	1.842	43	230460	8.330	ppbv	96
16) 1,3-Butadiene	1.615	39	109306	8.090	ppbv	99
17) tert-Butyl alcohol	2.049	59	271487	7.879	ppbv	99
18) 1,1-Dichloroethene	2.042	96	88728	8.125	ppbv	95
19) Isopropyl Alcohol	1.894	45	129131	8.272	ppbv	98
20) Methylene Chloride	2.068	84	76153	7.391	ppbv	92
21) Allyl Chloride	2.104	41	167334	8.576	ppbv	98
22) trans-1,2-Dichloroethene	2.350	96	104449	8.275	ppbv	93
23) Vinyl Acetate	2.473	43	96391	8.050	ppbv #	97
24) 1,1-Dichloroethane	2.418	63	214121	9.152	ppbv	100
25) Ethyl Acetate	2.848	43	639210	8.902	ppbv	99
26) Hexane	2.839	57	246755	8.897	ppbv	100
27) Carbon Disulfide	2.159	76	258412	8.689	ppbv	96
28) Methyl tert-Butyl Ether	2.450	73	142610	8.259	ppbv	94
29) Chloroform	2.861	83	397517	9.793	ppbv	99
30) Cyclohexane	3.874	84	203521	8.451	ppbv	97
31) cis-1,2-Dichloroethene	2.732	61	249591	8.864	ppbv	98
32) 1,1,1-Trichloroethane	3.386	97	406124	8.739	ppbv	98
34) 2-Butanone	2.570	43	362939	9.420	ppbv	99
35) Carbon Tetrachloride	3.781	117	418362	10.079	ppbv	99
36) Benzene	3.674	78	494216	9.382	ppbv	99
37) 1,2-Dichloroethane	3.234	62	314377	10.424	ppbv	98
38) Trichloroethene	4.570	130	202575	9.217	ppbv	97
39) 1,2-Dichloropropane	4.334	63	179485	9.356	ppbv	92
40) 1,4-Dioxane	4.606	88	85103	8.358	ppbv #	93
41) Tetrahydrofuran	3.068	42	201260	9.071	ppbv	98
42) Bromodichloromethane	4.512	83	430763	10.361	ppbv	99
43) Methyl Methacrylate	4.907	69	188872	8.470	ppbv	98
44) 2,2,4-Trimethylpentane	4.664	57	838005	9.414	ppbv	97
45) t-1,3-Dichloropropene	6.444	75	194507	8.130	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
 Data File : VL042230.D
 Acq On : 07 Apr 2025 11:09
 Operator : SY/MD
 Sample : VL0407ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/08/2025
 Supervised By : Mahesh Dadoda 04/09/2025

Quant Time: Apr 08 01:29:41 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	252229	8.601	ppbv	99
47) 1,1,2-Trichloroethane	6.606	97	201960	9.959	ppbv	95
48) Dibromochloromethane	7.412	129	343914	10.007	ppbv	99
49) Bromoform	9.500	173	302914	9.817	ppbv	99
50) 4-Methyl-2-Pentanone	5.784	43	510960	8.368	ppbv	97
51) 2-Hexanone	7.461	43	415858	8.294	ppbv #	96
52) Tetrachloroethene	8.244	164	174622	8.359	ppbv	96
53) Toluene	6.962	91	562424	9.007	ppbv	99
54) 1,2-Dibromoethane	7.674	107	272683	9.646	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.943	131	276768	10.608	ppbv	99
57) Chlorobenzene	8.940	112	458748	10.204	ppbv	99
58) Ethyl Benzene	9.373	91	821248	9.754	ppbv	99
59) m/p-Xylene	9.568	91	1370037m	20.379	ppbv	
60) o-Xylene	9.982	91	684704	10.160	ppbv	97
61) Styrene	9.888	104	318889	9.564	ppbv	99
62) Isopropylbenzene	10.555	105	1035385	10.274	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.979	83	442871	10.816	ppbv	98
64) n-propylbenzene	11.005	120	270373	10.422	ppbv	99
65) tert-Butylbenzene	11.545	119	944630	10.135	ppbv	98
66) Benzyl Chloride	11.629	91	70444	7.123	ppbv	100
67) sec-Butylbenzene	11.782	105	1346681	10.395	ppbv	99
69) p-Isopropyltoluene	11.940	119	1151394	10.321	ppbv	99
70) n-Butylbenzene	12.296	91	1190709	10.437	ppbv	98
71) 2-Chlorotoluene	10.917	91	803764	10.276	ppbv	100
72) 4-Ethyltoluene	11.141	105	867726	10.341	ppbv	99
73) 1,3,5-Trimethylbenzene	11.218	105	750866	10.246	ppbv	97
74) 1,2,4-Trimethylbenzene	11.552	105	832142	9.856	ppbv	93
75) 1,3-Dichlorobenzene	11.623	146	491666	10.618	ppbv	99
76) 1,4-Dichlorobenzene	11.688	146	486784	10.563	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	480453	10.656	ppbv	99
78) Hexachloro-1,3-Butadiene	13.895	225	375805	8.189	ppbv	99
79) Naphthalene	13.526	128	855353	9.262	ppbv	100
80) Naphthalene,2-methyl-	14.471	142	301864	6.665	ppbv	99
81) 1,2,4-Trichlorobenzene	13.455	180	383097	8.994	ppbv	98

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

