

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL033125\
 Data File : VL042201.D
 Acq On : 31 Mar 2025 08:51
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/01/2025
 Supervised By : Mahesh Dadoda 04/01/2025

Quant Time: Apr 01 01:49:21 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)

Internal Standards						
1) Bromochloromethane	2.800	49	161478	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.982	114	460403	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	424671	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 355372 10.190 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.506	85	243672	10.220	ppbv	98
3) Chlorodifluoromethane	1.483	51	233931	9.604	ppbv	96
4) Chloromethane	1.538	50	91967	9.439	ppbv	99
5) Vinyl Chloride	1.586	62	88747	8.595	ppbv	96
6) Bromomethane	1.674	94	40765	9.232	ppbv	98
7) Chloroethane	1.713	64	35638	9.112	ppbv	98
8) Dichlorotetrafluoroethane	1.561	85	203570	10.026	ppbv	96
9) Propene	1.489	41	95128	8.521	ppbv	97
10) Heptane	5.011	43	261936	8.821	ppbv	99
11) Trichlorofluoromethane	1.887	101	231721	9.988	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.150	101	182824	9.588	ppbv	98
13) Ethanol	1.729	45	4473	4.238	ppbv	87
14) Bromoethene	1.790	108	66903	9.159	ppbv	99
15) Acetone	1.842	43	193773	8.580	ppbv	96
16) 1,3-Butadiene	1.616	39	96046	8.709	ppbv	97
17) tert-Butyl alcohol	2.049	59	252420	8.974	ppbv	99
18) 1,1-Dichloroethene	2.043	96	82868	9.296	ppbv	100
19) Isopropyl Alcohol	1.894	45	115180	9.039	ppbv	98
20) Methylene Chloride	2.072	84	67877	8.070	ppbv	94
21) Allyl Chloride	2.108	41	144599	9.079	ppbv	98
22) trans-1,2-Dichloroethene	2.353	96	91942	8.924	ppbv	96
23) Vinyl Acetate	2.473	43	82938	8.485	ppbv #	96
24) 1,1-Dichloroethane	2.421	63	185830	9.730	ppbv	99
25) Ethyl Acetate	2.852	43	536366	9.151	ppbv	99
26) Hexane	2.842	57	209103	9.236	ppbv	98
27) Carbon Disulfide	2.159	76	230171	9.481	ppbv	98
28) Methyl tert-Butyl Ether	2.454	73	178093	12.635	ppbv	92
29) Chloroform	2.865	83	337970	10.200	ppbv	99
30) Cyclohexane	3.878	84	180110	9.162	ppbv	95
31) cis-1,2-Dichloroethene	2.735	61	219389	9.545	ppbv	98
32) 1,1,1-Trichloroethane	3.386	97	359718	9.483	ppbv	98
34) 2-Butanone	2.570	43	301334	9.026	ppbv	99
35) Carbon Tetrachloride	3.784	117	371691	10.335	ppbv	98
36) Benzene	3.677	78	426758	9.350	ppbv	98
37) 1,2-Dichloroethane	3.234	62	273137	10.453	ppbv	99
38) Trichloroethene	4.574	130	179999	9.452	ppbv	96
39) 1,2-Dichloropropane	4.338	63	153124	9.212	ppbv	94
40) 1,4-Dioxane	4.613	88	77121m	8.741	ppbv	
41) Tetrahydrofuran	3.069	42	170829	8.886	ppbv	100
42) Bromodichloromethane	4.516	83	373399	10.365	ppbv	99
43) Methyl Methacrylate	4.907	69	170312	8.814	ppbv	98
44) 2,2,4-Trimethylpentane	4.664	57	705253	9.143	ppbv	98
45) t-1,3-Dichloropropene	6.445	75	190040	9.167	ppbv	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	232713	9.158	ppbv	96
47) 1,1,2-Trichloroethane	6.616	97	168373m	9.582	ppbv	
48) Dibromochloromethane	7.416	129	303330	10.186	ppbv	100
49) Bromoform	9.503	173	261484	9.780	ppbv	99
50) 4-Methyl-2-Pentanone	5.791	43	437050	8.261	ppbv	97
51) 2-Hexanone	7.464	43	351622	8.093	ppbv #	96
52) Tetrachloroethene	8.247	164	155203	8.574	ppbv	96
53) Toluene	6.962	91	492717	9.106	ppbv	100
54) 1,2-Dibromoethane	7.675	107	239347	9.771	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.947	131	236930	10.136	ppbv	98
57) Chlorobenzene	8.943	112	389475	9.669	ppbv	97
58) Ethyl Benzene	9.374	91	712533	9.446	ppbv	98
59) m/p-Xylene	9.571	91	1164678m	19.336	ppbv	
60) o-Xylene	9.986	91	575224	9.526	ppbv	97
61) Styrene	9.892	104	281518	9.424	ppbv	100
62) Isopropylbenzene	10.558	105	874894	9.689	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.982	83	349199	9.518	ppbv	100
64) n-propylbenzene	11.008	120	228400	9.826	ppbv	97
65) tert-Butylbenzene	11.549	119	795482	9.526	ppbv	98
66) Benzyl Chloride	11.633	91	72526	8.185	ppbv	99
67) sec-Butylbenzene	11.785	105	1123267	9.677	ppbv	99
69) p-Isopropyltoluene	11.940	119	967912	9.684	ppbv	99
70) n-Butylbenzene	12.296	91	1006907	9.850	ppbv	98
71) 2-Chlorotoluene	10.918	91	676396	9.652	ppbv	98
72) 4-Ethyltoluene	11.141	105	734909	9.775	ppbv	100
73) 1,3,5-Trimethylbenzene	11.222	105	637499	9.709	ppbv	97
74) 1,2,4-Trimethylbenzene	11.555	105	696079	9.202	ppbv	99
75) 1,3-Dichlorobenzene	11.623	146	410546	9.895	ppbv	99
76) 1,4-Dichlorobenzene	11.688	146	413478	10.014	ppbv	100
77) 1,2-Dichlorobenzene	11.963	146	399386	9.887	ppbv	99
78) Hexachloro-1,3-Butadiene	13.895	225	345217	8.395	ppbv	99
79) Naphthalene	13.530	128	833346	10.072	ppbv	99
80) Naphthalene,2-methyl-	14.471	142	427563	10.537	ppbv	98
81) 1,2,4-Trichlorobenzene	13.455	180	373226	9.779	ppbv	99

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

