

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
 Data File : VL042695.D
 Acq On : 02 Jul 2025 11:39
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 01:29:48 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M

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

QLast Update : Thu Jul 03 01:24:10 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	117105	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	296435	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	265053	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.386 95 209248 10.264 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	172151	14.041	ppbv	98
3) Chlorodifluoromethane	1.476	51	256009	13.966	ppbv	100
4) Chloromethane	1.534	50	67083	13.951	ppbv	95
5) Vinyl Chloride	1.583	62	61102	12.642	ppbv	100
6) Bromomethane	1.670	94	29264	13.554	ppbv	98
7) Chloroethane	1.706	64	25330	13.649	ppbv	99
8) Dichlorotetrafluoroethane	1.557	85	140342	13.817	ppbv	100
9) Propene	1.486	41	97807	14.259	ppbv	100
10) Heptane	4.991	43	308403	16.567	ppbv	99
11) Trichlorofluoromethane	1.881	101	180499	13.964	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	144195	14.093	ppbv	99
13) Ethanol	1.725	45	6502	9.979	ppbv	96
14) Bromoethene	1.783	108	50816	14.250	ppbv	99
15) Acetone	1.838	43	145775	12.551	ppbv	98
16) 1,3-Butadiene	1.612	39	72281	13.505	ppbv	100
17) tert-Butyl alcohol	2.042	59	158067	13.951	ppbv	99
18) 1,1-Dichloroethene	2.036	96	62555	13.761	ppbv	90
19) Isopropyl Alcohol	1.887	45	92196	13.811	ppbv #	1
20) Methylene Chloride	2.065	84	55096	12.405	ppbv	99
21) Allyl Chloride	2.101	41	119161	14.709	ppbv	99
22) trans-1,2-Dichloroethene	2.347	96	70815	14.302	ppbv	93
23) Vinyl Acetate	2.466	43	292863	15.582	ppbv	99
24) 1,1-Dichloroethane	2.411	63	143437	14.015	ppbv	99
25) Ethyl Acetate	2.839	43	532134	15.146	ppbv	99
26) Hexane	2.832	57	230010	15.692	ppbv	97
27) Carbon Disulfide	2.152	76	174309	14.583	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	79095	13.188	ppbv	98
29) Chloroform	2.855	83	311665	14.076	ppbv	97
30) Cyclohexane	3.865	84	182243	16.454	ppbv	97
31) cis-1,2-Dichloroethene	2.725	61	214573	15.381	ppbv	95
32) 1,1,1-Trichloroethane	3.376	97	288461	13.633	ppbv	99
34) 2-Butanone	2.560	43	349225	14.884	ppbv	100
35) Carbon Tetrachloride	3.771	117	289865	14.098	ppbv	98
36) Benzene	3.664	78	446618	14.948	ppbv	99
37) 1,2-Dichloroethane	3.224	62	227106	14.313	ppbv	100
38) Trichloroethene	4.561	130	180970	14.018	ppbv	95
39) 1,2-Dichloropropane	4.321	63	168680	14.469	ppbv	95
40) 1,4-Dioxane	4.593	88	69208m	15.450	ppbv	
41) Tetrahydrofuran	3.059	42	198055	16.565	ppbv	98
42) Bromodichloromethane	4.499	83	332896	14.812	ppbv	98
43) Methyl Methacrylate	4.891	69	170155	17.734	ppbv	98
44) 2,2,4-Trimethylpentane	4.651	57	787806	15.802	ppbv	100
45) t-1,3-Dichloropropene	6.428	75	179598	17.811	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.612	75	236433	16.994	ppbv	98
47) 1,1,2-Trichloroethane	6.593	97	174366	15.194	ppbv	94
48) Dibromochloromethane	7.399	129	264716	15.064	ppbv	98
49) Bromoform	9.493	173	233294	15.371	ppbv	99
50) 4-Methyl-2-Pentanone	5.761	43	462742	16.873	ppbv	99
51) 2-Hexanone	7.448	43	373010	18.619	ppbv #	100
52) Tetrachloroethene	8.234	164	145442	14.514	ppbv	93
53) Toluene	6.946	91	492164	17.643	ppbv	100
54) 1,2-Dibromoethane	7.664	107	245738	15.345	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.933	131	200564	13.994	ppbv	98
57) Chlorobenzene	8.933	112	370383	13.928	ppbv	97
58) Ethyl Benzene	9.364	91	667210	17.407	ppbv	100
59) m/p-Xylene	9.561	91	1079169m	33.596	ppbv	
60) o-Xylene	9.972	91	528391	16.730	ppbv	98
61) Styrene	9.878	104	237027	19.104	ppbv	100
62) Isopropylbenzene	10.548	105	768857	16.128	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.972	83	331699	13.638	ppbv	98
64) n-propylbenzene	10.998	120	206336	16.907	ppbv	96
65) tert-Butylbenzene	11.539	119	650964	15.954	ppbv	100
66) Benzyl Chloride	11.623	91	72252	18.276	ppbv	100
67) sec-Butylbenzene	11.775	105	947810	15.163	ppbv	99
69) p-Isopropyltoluene	11.934	119	788083	15.841	ppbv	100
70) n-Butylbenzene	12.286	91	823159	16.424	ppbv	100
71) 2-Chlorotoluene	10.908	91	590171	16.735	ppbv	99
72) 4-Ethyltoluene	11.134	105	656169	17.026	ppbv	100
73) 1,3,5-Trimethylbenzene	11.212	105	536306	16.506	ppbv	99
74) 1,2,4-Trimethylbenzene	11.545	105	572169	15.437	ppbv	95
75) 1,3-Dichlorobenzene	11.616	146	373171	14.350	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	371536	15.054	ppbv	99
77) 1,2-Dichlorobenzene	11.956	146	356431	13.568	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	249100	12.174	ppbv	99
79) Naphthalene	13.520	128	583427	18.988	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	289438	22.526	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	293572	16.284	ppbv	99

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

Manual Integrations

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