

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
 Data File : VL042753.D
 Acq On : 23 Jul 2025 12:26
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/24/2025
 Supervised By : Mahesh Dadoda 07/24/2025

Quant Time: Jul 24 05:00:31 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

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

QLast Update : Thu Jul 24 04:55:41 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	150331	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	427438	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	385223	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 315293 10.335 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	277045	13.938	ppbv	98
3) Chlorodifluoromethane	1.473	51	353451	13.651	ppbv	98
4) Chloromethane	1.531	50	111684	13.889	ppbv	96
5) Vinyl Chloride	1.577	62	98596	12.410	ppbv	96
6) Bromomethane	1.667	94	44144	14.372	ppbv	92
7) Chloroethane	1.703	64	40909	13.327	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	229298	14.028	ppbv	99
9) Propene	1.483	41	129069	13.716	ppbv	99
10) Heptane	4.972	43	368612	14.563	ppbv	99
11) Trichlorofluoromethane	1.874	101	289764	14.143	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.136	101	223552	14.358	ppbv	99
13) Ethanol	1.719	45	11145	15.142	ppbv	86
14) Bromoethene	1.780	108	77435	14.047	ppbv	98
15) Acetone	1.832	43	237665	11.449	ppbv	98
16) 1,3-Butadiene	1.606	39	118252	13.355	ppbv	99
17) tert-Butyl alcohol	2.036	59	260587	13.919	ppbv	98
18) 1,1-Dichloroethene	2.030	96	94140	13.382	ppbv	93
19) Isopropyl Alcohol	1.881	45	149463	13.549	ppbv	99
20) Methylene Chloride	2.059	84	82755	12.651	ppbv	97
21) Allyl Chloride	2.094	41	185201	14.476	ppbv	100
22) trans-1,2-Dichloroethene	2.337	96	107003	14.160	ppbv	92
23) Vinyl Acetate	2.457	43	413378	16.426	ppbv	99
24) 1,1-Dichloroethane	2.405	63	221175	14.239	ppbv	100
25) Ethyl Acetate	2.829	43	647150	14.084	ppbv	99
26) Hexane	2.819	57	279549	13.869	ppbv	99
27) Carbon Disulfide	2.146	76	260884	15.119	ppbv	98
28) Methyl tert-Butyl Ether	2.437	73	156895	16.477	ppbv	97
29) Chloroform	2.842	83	438155	14.067	ppbv	100
30) Cyclohexane	3.849	84	244116	14.280	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	293947	14.192	ppbv	98
32) 1,1,1-Trichloroethane	3.363	97	447592	13.796	ppbv	100
34) 2-Butanone	2.551	43	432873	14.297	ppbv	100
35) Carbon Tetrachloride	3.755	117	468957	14.764	ppbv	98
36) Benzene	3.651	78	577153	14.247	ppbv	99
37) 1,2-Dichloroethane	3.211	62	354637	14.533	ppbv	100
38) Trichloroethene	4.541	130	262041	13.416	ppbv	97
39) 1,2-Dichloropropane	4.305	63	211594	14.150	ppbv	99
40) 1,4-Dioxane	4.567	88	98196	13.926	ppbv #	99
41) Tetrahydrofuran	3.046	42	232393	15.278	ppbv	99
42) Bromodichloromethane	4.480	83	486831	15.303	ppbv	99
43) Methyl Methacrylate	4.868	69	231227	16.059	ppbv	98
44) 2,2,4-Trimethylpentane	4.629	57	963867	14.598	ppbv	98
45) t-1,3-Dichloropropene	6.406	75	266194	16.478	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	329850	16.115	ppbv	99
47) 1,1,2-Trichloroethane	6.567	97	228492	14.335	ppbv	96
48) Dibromochloromethane	7.380	129	397179	15.695	ppbv	99
49) Bromoform	9.477	173	352050	15.955	ppbv	97
50) 4-Methyl-2-Pentanone	5.732	43	594973	15.427	ppbv	100
51) 2-Hexanone	7.428	43	485325	16.467	ppbv #	100
52) Tetrachloroethene	8.221	164	217184	12.899	ppbv	95
53) Toluene	6.923	91	670142	15.405	ppbv	99
54) 1,2-Dibromoethane	7.645	107	338867	15.019	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.920	131	293384	14.648	ppbv	99
57) Chlorobenzene	8.917	112	522894	14.025	ppbv	98
58) Ethyl Benzene	9.351	91	940159	15.454	ppbv	99
59) m/p-Xylene	9.545	91	1497932m	30.800	ppbv	
60) o-Xylene	9.959	91	730161	15.030	ppbv	100
61) Styrene	9.866	104	343429	16.805	ppbv	100
62) Isopropylbenzene	10.536	105	1078393	15.049	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	419734	13.261	ppbv	98
64) n-propylbenzene	10.985	120	286724	15.348	ppbv	97
65) tert-Butylbenzene	11.529	119	954459	14.995	ppbv	98
66) Benzyl Chloride	11.610	91	94218	18.031	ppbv	98
67) sec-Butylbenzene	11.762	105	1327393	14.662	ppbv	99
69) p-Isopropyltoluene	11.921	119	1149418	15.571	ppbv	99
70) n-Butylbenzene	12.277	91	1152207	16.159	ppbv	100
71) 2-Chlorotoluene	10.898	91	838335	15.257	ppbv	99
72) 4-Ethyltoluene	11.121	105	918453	15.830	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	763212	15.977	ppbv	100
74) 1,2,4-Trimethylbenzene	11.532	105	827222	15.873	ppbv	97
75) 1,3-Dichlorobenzene	11.604	146	539284	14.761	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	542998	15.188	ppbv	100
77) 1,2-Dichlorobenzene	11.943	146	516714	14.390	ppbv	98
78) Hexachloro-1,3-Butadiene	13.876	225	432138	13.296	ppbv	99
79) Naphthalene	13.507	128	876734	15.265	ppbv	99
80) Naphthalene,2-methyl-	14.452	142	456529	15.438	ppbv	98
81) 1,2,4-Trichlorobenzene	13.436	180	490575	15.200	ppbv	99

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

