

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
 Data File : VL042788.D
 Acq On : 31 Jul 2025 08:37
 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 08/01/2025
 Supervised By : Mahesh Dadoda 08/01/2025

Quant Time: Aug 01 01:12:06 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 01 2025

QLast Update : Thu Jul 24 05:24:41 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	139439	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	391811	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.891	117	345903	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.387 95 282020 10.295 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	175602	9.525	ppbv	99
3) Chlorodifluoromethane	1.479	51	245813	10.235	ppbv	98
4) Chloromethane	1.534	50	69667	9.341	ppbv	96
5) Vinyl Chloride	1.583	62	64707	8.781	ppbv	94
6) Bromomethane	1.670	94	28024	9.837	ppbv	96
7) Chloroethane	1.706	64	26081	9.160	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	145116	9.571	ppbv	98
9) Propene	1.486	41	94980	10.882	ppbv	100
10) Heptane	4.991	43	257717	10.950	ppbv	96
11) Trichlorofluoromethane	1.881	101	173476	9.128	ppbv	97
12) 1,1,2-Trichlorotrifluoro...	2.143	101	138636	9.600	ppbv	97
13) Ethanol	1.725	45	7183	10.150	ppbv	95
14) Bromoethene	1.784	108	49283	9.639	ppbv	98
15) Acetone	1.839	43	152576	7.924	ppbv	100
16) 1,3-Butadiene	1.612	39	77405	9.425	ppbv	99
17) tert-Butyl alcohol	2.043	59	160407	9.237	ppbv	99
18) 1,1-Dichloroethene	2.039	96	60001	9.195	ppbv	92
19) Isopropyl Alcohol	1.891	45	94435	9.229	ppbv	95
20) Methylene Chloride	2.065	84	51973	8.566	ppbv	95
21) Allyl Chloride	2.101	41	117837	9.930	ppbv	97
22) trans-1,2-Dichloroethene	2.344	96	67488	9.614	ppbv	95
23) Vinyl Acetate	2.467	43	285868	12.247	ppbv	99
24) 1,1-Dichloroethane	2.415	63	136815	9.496	ppbv	100
25) Ethyl Acetate	2.842	43	456109	10.702	ppbv	100
26) Hexane	2.832	57	194417	10.399	ppbv	98
27) Carbon Disulfide	2.156	76	165760	10.356	ppbv	96
28) Methyl tert-Butyl Ether	2.447	73	88166	9.982	ppbv	98
29) Chloroform	2.855	83	301928	10.451	ppbv	95
30) Cyclohexane	3.865	84	164864	10.398	ppbv	96
31) cis-1,2-Dichloroethene	2.726	61	196928	10.250	ppbv	98
32) 1,1,1-Trichloroethane	3.376	97	296432	9.850	ppbv	100
34) 2-Butanone	2.561	43	297678	10.726	ppbv	98
35) Carbon Tetrachloride	3.771	117	310581	10.672	ppbv	98
36) Benzene	3.664	78	391679	10.548	ppbv	99
37) 1,2-Dichloroethane	3.227	62	236929	10.592	ppbv	99
38) Trichloroethene	4.561	130	178226	9.991	ppbv	97
39) 1,2-Dichloropropane	4.324	63	143986	10.505	ppbv	95
40) 1,4-Dioxane	4.596	88	64201	10.049	ppbv #	94
41) Tetrahydrofuran	3.059	42	161670	11.447	ppbv	97
42) Bromodichloromethane	4.499	83	324091	11.125	ppbv	100
43) Methyl Methacrylate	4.891	69	150704	11.418	ppbv	98
44) 2,2,4-Trimethylpentane	4.651	57	674333	11.142	ppbv	100
45) t-1,3-Dichloropropene	6.428	75	168632	11.393	ppbv	91

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 1 11:10:30 2025

QLast Update : Thu Jul 24 05:24:41 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	217364	11.589	ppbv	94
47) 1,1,2-Trichloroethane	6.597	97	155145	10.618	ppbv	97
48) Dibromochloromethane	7.399	129	263177	11.346	ppbv	98
49) Bromoform	9.493	173	233626	11.551	ppbv	98
50) 4-Methyl-2-Pentanone	5.765	43	396864	11.101	ppbv	100
51) 2-Hexanone	7.448	43	318210	11.778	ppbv #	99
52) Tetrachloroethene	8.234	164	143437	9.319	ppbv	98
53) Toluene	6.946	91	440370	11.044	ppbv	99
54) 1,2-Dibromoethane	7.665	107	228691	11.078	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.937	131	196819	10.944	ppbv	99
57) Chlorobenzene	8.933	112	349998	10.455	ppbv #	95
58) Ethyl Benzene	9.364	91	615736	11.272	ppbv	99
59) m/p-Xylene	9.561	91	1006369m	23.053	ppbv	
60) o-Xylene	9.972	91	497901	11.414	ppbv	99
61) Styrene	9.882	104	215469	11.742	ppbv	99
62) Isopropylbenzene	10.549	105	716277	11.132	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.972	83	291626	10.413	ppbv	99
64) n-propylbenzene	10.998	120	193965	11.563	ppbv	98
65) tert-Butylbenzene	11.539	119	641028	11.215	ppbv	99
66) Benzyl Chloride	11.623	91	65004	13.854	ppbv	98
67) sec-Butylbenzene	11.775	105	905933	11.144	ppbv	100
69) p-Isopropyltoluene	11.931	119	763427	11.517	ppbv	99
70) n-Butylbenzene	12.287	91	779301	12.171	ppbv	99
71) 2-Chlorotoluene	10.908	91	552725	11.203	ppbv	100
72) 4-Ethyltoluene	11.134	105	611893	11.745	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	505734	11.791	ppbv	99
74) 1,2,4-Trimethylbenzene	11.545	105	562952	12.030	ppbv	93
75) 1,3-Dichlorobenzene	11.613	146	362463	11.049	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	359833	11.209	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	348624	10.812	ppbv	98
78) Hexachloro-1,3-Butadiene	13.886	225	282288	9.673	ppbv	98
79) Naphthalene	13.520	128	561584	11.014	ppbv	100
80) Naphthalene,2-methyl-	14.462	142	249243	9.837	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	314832	10.987	ppbv	99

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

Manual Integrations

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
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Response via : Initial Calibration

