

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072925\
 Data File : VL042773.D
 Acq On : 29 Jul 2025 08:28
 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 07/30/2025
 Supervised By : Mahesh Dadoda 07/30/2025

Quant Time: Jul 30 01:05:29 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 1 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	2.787	49	145476	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	401016	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	363840	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 291247 10.108 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	181155	9.418	ppbv	98
3) Chlorodifluoromethane	1.476	51	251592	10.041	ppbv	99
4) Chloromethane	1.534	50	73723	9.474	ppbv	98
5) Vinyl Chloride	1.580	62	65522	8.522	ppbv	96
6) Bromomethane	1.667	94	27694	9.318	ppbv	94
7) Chloroethane	1.706	64	27329	9.200	ppbv	93
8) Dichlorotetrafluoroethane	1.554	85	150558	9.518	ppbv	99
9) Propene	1.482	41	88480	9.716	ppbv	96
10) Heptane	4.984	43	251985	10.262	ppbv	98
11) Trichlorofluoromethane	1.877	101	183526	9.256	ppbv	96
12) 1,1,2-Trichlorotrifluoro...	2.139	101	140976	9.357	ppbv	98
13) Ethanol	1.722	45	8199	11.213	ppbv	92
14) Bromoethene	1.783	108	51955	9.739	ppbv	96
15) Acetone	1.835	43	156397	7.786	ppbv	99
16) 1,3-Butadiene	1.609	39	76605	8.940	ppbv	100
17) tert-Butyl alcohol	2.039	59	168866	9.321	ppbv	99
18) 1,1-Dichloroethene	2.036	96	61443	9.025	ppbv	95
19) Isopropyl Alcohol	1.887	45	97689	9.151	ppbv	97
20) Methylene Chloride	2.062	84	54464	8.604	ppbv	97
21) Allyl Chloride	2.097	41	120881	9.764	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	69760	9.526	ppbv	97
23) Vinyl Acetate	2.463	43	281244	11.548	ppbv	98
24) 1,1-Dichloroethane	2.408	63	140141	9.323	ppbv	98
25) Ethyl Acetate	2.835	43	451618	10.157	ppbv	99
26) Hexane	2.826	57	194029	9.947	ppbv	98
27) Carbon Disulfide	2.152	76	174164	10.430	ppbv #	92
28) Methyl tert-Butyl Ether	2.441	73	103653	11.249	ppbv	97
29) Chloroform	2.848	83	303505	10.070	ppbv	98
30) Cyclohexane	3.858	84	161614	9.770	ppbv	96
31) cis-1,2-Dichloroethene	2.722	61	196176	9.787	ppbv	96
32) 1,1,1-Trichloroethane	3.369	97	301986	9.619	ppbv	99
34) 2-Butanone	2.557	43	298973	10.525	ppbv	100
35) Carbon Tetrachloride	3.768	117	315663	10.597	ppbv	96
36) Benzene	3.657	78	394734	10.386	ppbv	99
37) 1,2-Dichloroethane	3.217	62	238496	10.417	ppbv	100
38) Trichloroethene	4.554	130	176737	9.680	ppbv	95
39) 1,2-Dichloropropane	4.315	63	142961	10.190	ppbv	95
40) 1,4-Dioxane	4.583	88	63605	9.727	ppbv #	93
41) Tetrahydrofuran	3.055	42	157177	10.874	ppbv	98
42) Bromodichloromethane	4.493	83	327576	10.986	ppbv	98
43) Methyl Methacrylate	4.881	69	151353	11.204	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	665750	10.747	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	171240	11.304	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072925\
 Data File : VL042773.D
 Acq On : 29 Jul 2025 08:28
 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 07/30/2025
 Supervised By : Mahesh Dadoda 07/30/2025

Quant Time: Jul 30 01:05:29 2025

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

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	5.606	75	211694	11.028	ppbv	95
47) 1,1,2-Trichloroethane	6.580	97	151959	10.161	ppbv	98
48) Dibromochloromethane	7.389	129	269997	11.373	ppbv	100
49) Bromoform	9.487	173	236181	11.409	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	396599	10.839	ppbv	99
51) 2-Hexanone	7.441	43	322404	11.660	ppbv #	99
52) Tetrachloroethene	8.228	164	148349	9.417	ppbv	96
53) Toluene	6.936	91	437014	10.708	ppbv	100
54) 1,2-Dibromoethane	7.655	107	227138	10.750	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.930	131	199954	10.570	ppbv	99
57) Chlorobenzene	8.927	112	356427	10.122	ppbv	99
58) Ethyl Benzene	9.357	91	613946	10.685	ppbv	97
59) m/p-Xylene	9.555	91	1016691m	22.141	ppbv	
60) o-Xylene	9.969	91	501341	10.926	ppbv	99
61) Styrene	9.875	104	212719	11.021	ppbv	98
62) Isopropylbenzene	10.542	105	730477	10.793	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	294522	9.998	ppbv	100
64) n-propylbenzene	10.992	120	196430	11.132	ppbv	98
65) tert-Butylbenzene	11.532	119	653373	10.868	ppbv	99
66) Benzyl Chloride	11.616	91	63028	12.771	ppbv	99
67) sec-Butylbenzene	11.768	105	917197	10.727	ppbv	100
69) p-Isopropyltoluene	11.927	119	784325	11.249	ppbv	100
70) n-Butylbenzene	12.283	91	803938	11.937	ppbv	100
71) 2-Chlorotoluene	10.904	91	558173	10.755	ppbv	99
72) 4-Ethyltoluene	11.128	105	625088	11.407	ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	519009	11.504	ppbv	97
74) 1,2,4-Trimethylbenzene	11.539	105	573490	11.651	ppbv	98
75) 1,3-Dichlorobenzene	11.610	146	371336	10.761	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	367182	10.874	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	355188	10.473	ppbv	98
78) Hexachloro-1,3-Butadiene	13.882	225	292858	9.540	ppbv	100
79) Naphthalene	13.513	128	570905	10.659	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	257656	9.687	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	323672	10.749	ppbv	99

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

