

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082125\
 Data File : VL042878.D
 Acq On : 22 Aug 2025 09:26
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/25/2025
 Supervised By :Semsettin Yesilyurt 08/25/2025

Quant Time: Aug 22 09:51:44 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 22 09:51:44 2025

QLast Update : Thu Aug 14 02:12:54 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	121639	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	354779	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	301944	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 231892 10.240 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	173896	9.755	ppbv	98
3) Chlorodifluoromethane	1.473	51	203667	10.336	ppbv	100
4) Chloromethane	1.531	50	68978	9.588	ppbv	98
5) Vinyl Chloride	1.580	62	63855	9.013	ppbv	96
6) Bromomethane	1.667	94	25182	8.889	ppbv	96
7) Chloroethane	1.703	64	24503	8.856	ppbv	94
8) Dichlorotetrafluoroethane	1.554	85	141777	9.719	ppbv	97
9) Propene	1.483	41	27596m	3.243	ppbv	
10) Heptane	4.981	43	215328	9.447	ppbv	97
11) Trichlorofluoromethane	1.877	101	164870	9.374	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.140	101	131215	9.360	ppbv	97
13) Ethanol	1.722	45	6483	8.332	ppbv	91
14) Bromoethene	1.780	108	49669	9.787	ppbv	97
15) Acetone	1.835	43	128002	7.955	ppbv	100
16) 1,3-Butadiene	1.609	39	63770	8.742	ppbv	100
17) tert-Butyl alcohol	2.039	59	152875	8.012	ppbv	98
18) 1,1-Dichloroethene	2.033	96	58558	9.501	ppbv	91
19) Isopropyl Alcohol	1.887	45	84188	8.760	ppbv	97
20) Methylene Chloride	2.062	84	50056	7.426	ppbv	90
21) Allyl Chloride	2.098	41	105288	9.262	ppbv	98
22) trans-1,2-Dichloroethene	2.340	96	66625	9.344	ppbv	95
23) Vinyl Acetate	2.463	43	202987	9.175	ppbv #	98
24) 1,1-Dichloroethane	2.408	63	133833	9.398	ppbv	100
25) Ethyl Acetate	2.836	43	383432	9.846	ppbv	99
26) Hexane	2.826	57	176932	9.843	ppbv	97
27) Carbon Disulfide	2.149	76	168050	9.607	ppbv	99
28) Methyl tert-Butyl Ether	2.441	73	81215	8.861	ppbv	93
29) Chloroform	2.848	83	265966	10.363	ppbv	96
30) Cyclohexane	3.855	84	150524	9.551	ppbv	99
31) cis-1,2-Dichloroethene	2.722	61	177498	9.886	ppbv	96
32) 1,1,1-Trichloroethane	3.370	97	263614	9.719	ppbv	99
34) 2-Butanone	2.557	43	251681	10.506	ppbv	100
35) Carbon Tetrachloride	3.764	117	259521	10.611	ppbv	98
36) Benzene	3.658	78	355956	10.477	ppbv	99
37) 1,2-Dichloroethane	3.221	62	205812	11.596	ppbv	98
38) Trichloroethene	4.548	130	151307	9.752	ppbv	93
39) 1,2-Dichloropropane	4.311	63	130300	10.501	ppbv	97
40) 1,4-Dioxane	4.583	88	56270	9.537	ppbv #	91
41) Tetrahydrofuran	3.056	42	139271	10.427	ppbv	99
42) Bromodichloromethane	4.489	83	291542	11.023	ppbv	98
43) Methyl Methacrylate	4.884	69	136621	9.762	ppbv	96
44) 2,2,4-Trimethylpentane	4.642	57	592219	10.270	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	152846	9.677	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	200539	10.190	ppbv	94
47) 1,1,2-Trichloroethane	6.584	97	136453	10.380	ppbv	96
48) Dibromochloromethane	7.386	129	222797	10.473	ppbv	99
49) Bromoform	9.484	173	176567	10.064	ppbv	99
50) 4-Methyl-2-Pentanone	5.752	43	332273	10.261	ppbv	98
51) 2-Hexanone	7.438	43	265967	10.438	ppbv #	96
52) Tetrachloroethene	8.225	164	108289	8.811	ppbv	97
53) Toluene	6.936	91	400789	9.923	ppbv	100
54) 1,2-Dibromoethane	7.655	107	199322	10.375	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.927	131	161692	10.355	ppbv	99
57) Chlorobenzene	8.924	112	298724	10.405	ppbv	98
58) Ethyl Benzene	9.357	91	554242	10.402	ppbv	99
59) m/p-Xylene	9.552	91	888386m	21.271	ppbv	
60) o-Xylene	9.966	91	440384	10.482	ppbv	99
61) Styrene	9.872	104	196520	9.984	ppbv	98
62) Isopropylbenzene	10.542	105	629494	10.253	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	243312	10.531	ppbv	99
64) n-propylbenzene	10.989	120	156971	10.020	ppbv	90
65) tert-Butylbenzene	11.532	119	537204	9.925	ppbv	96
66) Benzyl Chloride	11.617	91	46426	6.757	ppbv	99
67) sec-Butylbenzene	11.769	105	783802	10.317	ppbv	98
69) p-Isopropyltoluene	11.927	119	641670	9.838	ppbv	98
70) n-Butylbenzene	12.283	91	680980	10.527	ppbv	98
71) 2-Chlorotoluene	10.901	91	491389	10.307	ppbv	97
72) 4-Ethyltoluene	11.128	105	530826	10.423	ppbv	98
73) 1,3,5-Trimethylbenzene	11.205	105	441579	10.196	ppbv	98
74) 1,2,4-Trimethylbenzene	11.539	105	481659	10.132	ppbv	96
75) 1,3-Dichlorobenzene	11.610	146	277036	10.251	ppbv	100
76) 1,4-Dichlorobenzene	11.675	146	273883	10.021	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	263235	9.947	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	171117	7.890	ppbv	99
79) Naphthalene	13.513	128	431690	10.016	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	129094	8.016	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	209905	9.690	ppbv	98

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

