

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
 Data File : VL042757.D
 Acq On : 24 Jul 2025 08:23
 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 07/25/2025
 Supervised By : Mahesh Dadoda 07/25/2025

Quant Time: Jul 25 01:22:24 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 05:24:41 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	147950	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	427210	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	383056	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 311165 10.257 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	187566	9.589	ppbv	99
3) Chlorodifluoromethane	1.476	51	244317	9.588	ppbv	98
4) Chloromethane	1.531	50	74335	9.393	ppbv	95
5) Vinyl Chloride	1.580	62	65064	8.321	ppbv	99
6) Bromomethane	1.667	94	28685	9.490	ppbv	92
7) Chloroethane	1.703	64	27550	9.119	ppbv	96
8) Dichlorotetrafluoroethane	1.554	85	150238	9.339	ppbv	97
9) Propene	1.483	41	87903	9.491	ppbv	96
10) Heptane	4.978	43	249314	9.984	ppbv	98
11) Trichlorofluoromethane	1.878	101	193823	9.612	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.140	101	148112	9.666	ppbv	98
13) Ethanol	1.719	45	7492	9.958	ppbv	92
14) Bromoethene	1.781	108	52933	9.757	ppbv	99
15) Acetone	1.836	43	156375	7.654	ppbv	98
16) 1,3-Butadiene	1.609	39	79550	9.129	ppbv	98
17) tert-Butyl alcohol	2.040	59	176200	9.563	ppbv	99
18) 1,1-Dichloroethene	2.033	96	63402	9.158	ppbv	91
19) Isopropyl Alcohol	1.884	45	98884	9.108	ppbv #	40
20) Methylene Chloride	2.062	84	55642	8.643	ppbv	92
21) Allyl Chloride	2.095	41	123118	9.778	ppbv	99
22) trans-1,2-Dichloroethene	2.341	96	71805	9.641	ppbv	96
23) Vinyl Acetate	2.460	43	254582	10.279	ppbv	99
24) 1,1-Dichloroethane	2.409	63	144940	9.481	ppbv	98
25) Ethyl Acetate	2.833	43	440225	9.735	ppbv	99
26) Hexane	2.826	57	191695	9.663	ppbv	99
27) Carbon Disulfide	2.150	76	171134	10.077	ppbv	99
28) Methyl tert-Butyl Ether	2.438	73	84661	9.034	ppbv	97
29) Chloroform	2.849	83	296376	9.669	ppbv	99
30) Cyclohexane	3.859	84	163787	9.735	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	199128	9.769	ppbv	95
32) 1,1,1-Trichloroethane	3.367	97	297466	9.316	ppbv	99
34) 2-Butanone	2.554	43	291075	9.619	ppbv	98
35) Carbon Tetrachloride	3.761	117	314409	9.908	ppbv	99
36) Benzene	3.655	78	393168	9.711	ppbv	99
37) 1,2-Dichloroethane	3.218	62	241809	9.914	ppbv	100
38) Trichloroethene	4.545	130	173991	8.945	ppbv	97
39) 1,2-Dichloropropane	4.309	63	144022	9.637	ppbv	99
40) 1,4-Dioxane	4.574	88	65828	9.450	ppbv #	96
41) Tetrahydrofuran	3.053	42	158450	10.290	ppbv	99
42) Bromodichloromethane	4.487	83	323680	10.190	ppbv	100
43) Methyl Methacrylate	4.875	69	152285	10.582	ppbv	99
44) 2,2,4-Trimethylpentane	4.639	57	659271	9.990	ppbv	99
45) t-1,3-Dichloropropene	6.412	75	172061	10.662	ppbv	90

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.597	75	215829	10.554	ppbv	98
47) 1,1,2-Trichloroethane	6.581	97	154154	9.676	ppbv	96
48) Dibromochloromethane	7.387	129	263525	10.419	ppbv	99
49) Bromoform	9.481	173	229121	10.390	ppbv	98
50) 4-Methyl-2-Pentanone	5.746	43	387968	9.953	ppbv	99
51) 2-Hexanone	7.435	43	317003	10.761	ppbv #	99
52) Tetrachloroethene	8.225	164	146976	8.758	ppbv	97
53) Toluene	6.930	91	442405	10.175	ppbv	100
54) 1,2-Dibromoethane	7.649	107	227212	10.094	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.924	131	198082	9.946	ppbv	99
57) Chlorobenzene	8.921	112	349201	9.419	ppbv	97
58) Ethyl Benzene	9.354	91	622947	10.298	ppbv	100
59) m/p-Xylene	9.552	91	1005574m	20.800	ppbv	
60) o-Xylene	9.963	91	500129	10.353	ppbv	99
61) Styrene	9.869	104	221916	10.920	ppbv	99
62) Isopropylbenzene	10.539	105	722087	10.134	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.963	83	284428	9.171	ppbv	99
64) n-propylbenzene	10.989	120	192843	10.381	ppbv	99
65) tert-Butylbenzene	11.533	119	647770	10.234	ppbv	98
66) Benzyl Chloride	11.614	91	59138	11.381	ppbv	99
67) sec-Butylbenzene	11.769	105	905366	10.057	ppbv	100
69) p-Isopropyltoluene	11.924	119	782501	10.660	ppbv	100
70) n-Butylbenzene	12.280	91	792521	11.177	ppbv	99
71) 2-Chlorotoluene	10.902	91	557912	10.211	ppbv	99
72) 4-Ethyltoluene	11.125	105	620030	10.747	ppbv	99
73) 1,3,5-Trimethylbenzene	11.203	105	515645	10.856	ppbv	97
74) 1,2,4-Trimethylbenzene	11.536	105	561445	10.834	ppbv	95
75) 1,3-Dichlorobenzene	11.607	146	361599	9.953	ppbv	100
76) 1,4-Dichlorobenzene	11.672	146	366590	10.312	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	348523	9.761	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	286611	8.868	ppbv	99
79) Naphthalene	13.514	128	573161	10.185	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	273990	9.773	ppbv	99
81) 1,2,4-Trichlorobenzene	13.439	180	321227	10.157	ppbv	99

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

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