

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043280.D
 Acq On : 24 Nov 2025 13:52
 Operator : SY/MD
 Sample : VL1124ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1124ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025
 Supervised By :Mahesh Dadoda 11/25/2025

Quant Time: Nov 24 23:39:50 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

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

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	105147	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	272854	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	221036	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.367 95 164851 10.175 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	162546	10.960	ppbv	99
3) Chlorodifluoromethane	1.476	51	149762	10.268	ppbv	95
4) Chloromethane	1.531	50	55864	10.075	ppbv	96
5) Vinyl Chloride	1.580	62	57122	9.420	ppbv	98
6) Bromomethane	1.667	94	28296	9.626	ppbv	98
7) Chloroethane	1.703	64	22649	9.590	ppbv	93
8) Dichlorotetrafluoroethane	1.554	85	135608	10.992	ppbv	98
9) Propene	1.483	41	58566m	9.456	ppbv	
10) Heptane	4.969	43	170817	9.267	ppbv	99
11) Trichlorofluoromethane	1.875	101	169809	11.818	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.137	101	132086	11.775	ppbv	99
13) Ethanol	1.719	45	17266	7.928	ppbv	97
14) Bromoethene	1.781	108	46318	10.771	ppbv	98
15) Acetone	1.832	43	126744	8.676	ppbv	98
16) 1,3-Butadiene	1.609	39	64230	9.862	ppbv	96
17) tert-Butyl alcohol	2.036	59	179940	9.384	ppbv	100
18) 1,1-Dichloroethene	2.030	96	55652	10.655	ppbv	92
19) Isopropyl Alcohol	1.884	45	71853	8.704	ppbv	92
20) Methylene Chloride	2.059	84	50105	11.780	ppbv	91
21) Allyl Chloride	2.095	41	88132	8.967	ppbv	96
22) trans-1,2-Dichloroethene	2.337	96	64065	10.731	ppbv	98
23) Vinyl Acetate	2.457	43	171121	9.703	ppbv #	99
24) 1,1-Dichloroethane	2.405	63	124688	10.820	ppbv	98
25) Ethyl Acetate	2.826	43	301985	9.585	ppbv	99
26) Hexane	2.820	57	135935	9.841	ppbv	99
27) Carbon Disulfide	2.146	76	158318	11.226	ppbv	100
28) Methyl tert-Butyl Ether	2.434	73	75424	11.124	ppbv	95
29) Chloroform	2.842	83	228576	11.642	ppbv	98
30) Cyclohexane	3.852	84	116565	10.065	ppbv	93
31) cis-1,2-Dichloroethene	2.716	61	143211	10.430	ppbv	98
32) 1,1,1-Trichloroethane	3.360	97	235081	11.233	ppbv	99
34) 2-Butanone	2.551	43	193105	10.026	ppbv	99
35) Carbon Tetrachloride	3.755	117	246117	11.883	ppbv	99
36) Benzene	3.648	78	279506	10.697	ppbv	98
37) 1,2-Dichloroethane	3.211	62	178873	11.703	ppbv	98
38) Trichloroethene	4.538	130	112238	10.979	ppbv	96
39) 1,2-Dichloropropane	4.302	63	101403	10.603	ppbv	93
40) 1,4-Dioxane	4.564	88	38115	8.866	ppbv #	94
41) Tetrahydrofuran	3.043	42	103010	9.685	ppbv	98
42) Bromodichloromethane	4.477	83	246932	11.712	ppbv	95
43) Methyl Methacrylate	4.868	69	132570	9.558	ppbv	96
44) 2,2,4-Trimethylpentane	4.632	57	459765	10.245	ppbv	99
45) t-1,3-Dichloropropene	6.403	75	103648	8.017	ppbv	95

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.584	75	125652	8.277	ppbv	94
47) 1,1,2-Trichloroethane	6.568	97	111403	10.976	ppbv	92
48) Dibromochloromethane	7.377	129	203117	11.640	ppbv	98
49) Bromoform	9.474	173	179808	11.633	ppbv	99
50) 4-Methyl-2-Pentanone	5.729	43	257888	9.505	ppbv	98
51) 2-Hexanone	7.422	43	184928	8.777	ppbv #	98
52) Tetrachloroethene	8.212	164	102674	10.563	ppbv	94
53) Toluene	6.920	91	315386	10.193	ppbv	99
54) 1,2-Dibromoethane	7.642	107	154824	10.366	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.914	131	190059	11.700	ppbv	98
57) Chlorobenzene	8.914	112	250652	11.045	ppbv	98
58) Ethyl Benzene	9.348	91	451322	10.609	ppbv	98
59) m/p-Xylene	9.523	91	743261m	21.791	ppbv	
60) o-Xylene	9.956	91	367807	10.794	ppbv	99
61) Styrene	9.863	104	142907	9.583	ppbv	99
62) Isopropylbenzene	10.533	105	669597	10.984	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.953	83	227409	10.489	ppbv	99
64) n-propylbenzene	10.982	120	167620	10.701	ppbv	99
65) tert-Butylbenzene	11.523	119	573049	10.526	ppbv	99
66) Benzyl Chloride	11.610	91	25332	4.585	ppbv	99
67) sec-Butylbenzene	11.759	105	802399	10.559	ppbv	99
69) p-Isopropyltoluene	11.918	119	666208	10.349	ppbv	100
70) n-Butylbenzene	12.274	91	653544	10.465	ppbv	99
71) 2-Chlorotoluene	10.895	91	492497	10.511	ppbv	100
72) 4-Ethyltoluene	11.118	105	448275	10.803	ppbv	98
73) 1,3,5-Trimethylbenzene	11.196	105	372510	10.697	ppbv	96
74) 1,2,4-Trimethylbenzene	11.529	105	413769	10.888	ppbv	96
75) 1,3-Dichlorobenzene	11.601	146	239632	10.806	ppbv	97
76) 1,4-Dichlorobenzene	11.665	146	239094	10.779	ppbv	98
77) 1,2-Dichlorobenzene	11.940	146	227478	10.669	ppbv	99
78) Hexachloro-1,3-Butadiene	13.876	225	183653	10.321	ppbv	99
79) Naphthalene	13.507	128	340028	10.074	ppbv	100
80) Naphthalene,2-methyl-	14.452	142	83577	9.433	ppbv	100
81) 1,2,4-Trichlorobenzene	13.433	180	167890	11.122	ppbv	99

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

