

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111925\
 Data File : VL043234.D
 Acq On : 19 Nov 2025 11:56
 Operator : SY/MD
 Sample : VL1119ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1119ABS01

Quant Time: Nov 20 00:03:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 11/21/2025
 Supervised By : Mahesh Dadoda 11/21/2025

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

Internal Standards						
1) Bromochloromethane	2.780	49	103562	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	284672	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	231008	10.000	ppbv	0.00

System Monitoring Compounds
 68) 1-Bromo-4-Fluorobenzene 10.367 95 174465 10.303 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.000%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.499	85	159627	10.928	ppbv	97
3) Chlorodifluoromethane	1.476	51	135373	9.424	ppbv	92
4) Chloromethane	1.531	50	53712	9.835	ppbv	99
5) Vinyl Chloride	1.580	62	55310	9.261	ppbv	94
6) Bromomethane	1.667	94	30752	10.622	ppbv	97
7) Chloroethane	1.703	64	21569	9.273	ppbv	96
8) Dichlorotetrafluoroethane	1.554	85	132161	10.877	ppbv	98
9) Propene	1.483	41	50921m	8.348	ppbv	
10) Heptane	4.965	43	148958	8.205	ppbv	97
11) Trichlorofluoromethane	1.874	101	170660	12.059	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.136	101	126291	11.431	ppbv	97
13) Ethanol	1.719	45	19195	8.949	ppbv	97
14) Bromoethene	1.780	108	45857	10.827	ppbv	94
15) Acetone	1.832	43	120708	8.389	ppbv	100
16) 1,3-Butadiene	1.609	39	60112	9.371	ppbv	95
17) tert-Butyl alcohol	2.036	59	193565	10.249	ppbv	100
18) 1,1-Dichloroethene	2.033	96	53841	10.466	ppbv	91
19) Isopropyl Alcohol	1.881	45	78152	9.612	ppbv	98
20) Methylene Chloride	2.059	84	48510	11.565	ppbv	92
21) Allyl Chloride	2.094	41	88786	9.172	ppbv	90
22) trans-1,2-Dichloroethene	2.337	96	60785	10.338	ppbv	98
23) Vinyl Acetate	2.457	43	167108	9.620	ppbv	97
24) 1,1-Dichloroethane	2.405	63	117414	10.345	ppbv	98
25) Ethyl Acetate	2.826	43	271886	8.761	ppbv	99
26) Hexane	2.823	57	123157	9.052	ppbv	99
27) Carbon Disulfide	2.146	76	145985	10.510	ppbv	99
28) Methyl tert-Butyl Ether	2.434	73	69751	10.444	ppbv	97
29) Chloroform	2.842	83	215242	11.130	ppbv	100
30) Cyclohexane	3.849	84	106579	9.344	ppbv	93
31) cis-1,2-Dichloroethene	2.716	61	132120	9.770	ppbv	95
32) 1,1,1-Trichloroethane	3.363	97	225383	10.934	ppbv	98
34) 2-Butanone	2.551	43	177332	8.825	ppbv	98
35) Carbon Tetrachloride	3.755	117	240159	11.114	ppbv	97
36) Benzene	3.648	78	257003	9.427	ppbv	99
37) 1,2-Dichloroethane	3.211	62	169512	10.630	ppbv	97
38) Trichloroethene	4.538	130	106290	9.965	ppbv	93
39) 1,2-Dichloropropane	4.305	63	92079	9.228	ppbv	94
40) 1,4-Dioxane	4.564	88	42013m	9.366	ppbv	
41) Tetrahydrofuran	3.046	42	91575	8.252	ppbv	97
42) Bromodichloromethane	4.480	83	231745	10.535	ppbv	96
43) Methyl Methacrylate	4.865	69	125100	8.645	ppbv	96
44) 2,2,4-Trimethylpentane	4.629	57	412813	8.817	ppbv	97
45) t-1,3-Dichloropropene	6.399	75	121926	9.039	ppbv	94

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

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

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

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	142340	8.987	ppbv	99
47) 1,1,2-Trichloroethane	6.567	97	103237	9.749	ppbv	96
48) Dibromochloromethane	7.377	129	196614	10.799	ppbv	98
49) Bromoform	9.474	173	178495	11.069	ppbv	100
50) 4-Methyl-2-Pentanone	5.732	43	241341	8.526	ppbv	99
51) 2-Hexanone	7.422	43	184090	8.375	ppbv #	99
52) Tetrachloroethene	8.215	164	100528	9.913	ppbv	95
53) Toluene	6.920	91	298695	9.253	ppbv	99
54) 1,2-Dibromoethane	7.642	107	158882	10.196	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.917	131	178150	10.493	ppbv	98
57) Chlorobenzene	8.914	112	237323	10.006	ppbv	98
58) Ethyl Benzene	9.344	91	432563	9.729	ppbv	100
59) m/p-Xylene	9.545	91	710175m	19.922	ppbv	
60) o-Xylene	9.956	91	354511	9.955	ppbv	99
61) Styrene	9.862	104	146231	9.383	ppbv	98
62) Isopropylbenzene	10.532	105	643813	10.105	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.956	83	220953	9.751	ppbv	99
64) n-propylbenzene	10.982	120	166609	10.178	ppbv	99
65) tert-Butylbenzene	11.526	119	571982	10.053	ppbv	98
66) Benzyl Chloride	11.610	91	42746	7.403	ppbv	98
67) sec-Butylbenzene	11.762	105	793758	9.994	ppbv	99
69) p-Isopropyltoluene	11.921	119	682969	10.151	ppbv	100
70) n-Butylbenzene	12.277	91	676010	10.357	ppbv	99
71) 2-Chlorotoluene	10.895	91	490653	10.019	ppbv	99
72) 4-Ethyltoluene	11.118	105	441451	10.179	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	364625	10.019	ppbv	97
74) 1,2,4-Trimethylbenzene	11.532	105	403572	10.161	ppbv	88
75) 1,3-Dichlorobenzene	11.600	146	247440	10.676	ppbv	100
76) 1,4-Dichlorobenzene	11.665	146	247680	10.684	ppbv	99
77) 1,2-Dichlorobenzene	11.940	146	235048	10.548	ppbv	99
78) Hexachloro-1,3-Butadiene	13.876	225	196410	10.561	ppbv	100
79) Naphthalene	13.507	128	376827	10.683	ppbv	97
80) Naphthalene,2-methyl-	14.452	142	91146	9.844	ppbv	98
81) 1,2,4-Trichlorobenzene	13.435	180	183247	11.616	ppbv	99

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

