

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
 Data File : VL043260.D
 Acq On : 20 Nov 2025 12:07
 Operator : SY/MD
 Sample : VL1120ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Manual Integrations
 APPROVED

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

Quant Time: Nov 21 00:36:06 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	101372	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	270113	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	214473	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.371 95 164533 10.466 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	164798	11.526	ppbv	99
3) Chlorodifluoromethane	1.476	51	142815	10.157	ppbv	95
4) Chloromethane	1.534	50	55072	10.302	ppbv	96
5) Vinyl Chloride	1.580	62	55657	9.520	ppbv	93
6) Bromomethane	1.667	94	25862	9.126	ppbv	82
7) Chloroethane	1.703	64	22017	9.670	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	131076	11.021	ppbv	98
9) Propene	1.483	41	53732m	8.999	ppbv	
10) Heptane	4.972	43	158256	8.906	ppbv	99
11) Trichlorofluoromethane	1.878	101	171548	12.384	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.140	101	126812	11.726	ppbv	99
13) Ethanol	1.719	45	17475	8.323	ppbv	99
14) Bromoethene	1.780	108	44833	10.813	ppbv	97
15) Acetone	1.832	43	119678	8.497	ppbv	100
16) 1,3-Butadiene	1.609	39	61711	9.828	ppbv	95
17) tert-Butyl alcohol	2.036	59	171332	9.268	ppbv	100
18) 1,1-Dichloroethene	2.033	96	53337	10.592	ppbv	98
19) Isopropyl Alcohol	1.884	45	68773	8.642	ppbv	90
20) Methylene Chloride	2.062	84	48243	11.763	ppbv	93
21) Allyl Chloride	2.094	41	83462	8.808	ppbv	92
22) trans-1,2-Dichloroethene	2.340	96	61279	10.647	ppbv	93
23) Vinyl Acetate	2.460	43	142709	8.393	ppbv	98
24) 1,1-Dichloroethane	2.408	63	121792	10.962	ppbv	98
25) Ethyl Acetate	2.829	43	281330	9.262	ppbv	99
26) Hexane	2.823	57	126532	9.501	ppbv	99
27) Carbon Disulfide	2.149	76	148765	10.942	ppbv	100
28) Methyl tert-Butyl Ether	2.434	73	64675	9.894	ppbv	98
29) Chloroform	2.845	83	220567	11.652	ppbv	96
30) Cyclohexane	3.852	84	107088	9.591	ppbv	95
31) cis-1,2-Dichloroethene	2.719	61	131746	9.953	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	225329	11.168	ppbv	99
34) 2-Butanone	2.551	43	177069	9.287	ppbv	100
35) Carbon Tetrachloride	3.758	117	236089	11.515	ppbv	98
36) Benzene	3.651	78	257481	9.954	ppbv	98
37) 1,2-Dichloroethane	3.214	62	171416	11.329	ppbv	97
38) Trichloroethene	4.541	130	107097	10.582	ppbv	93
39) 1,2-Dichloropropane	4.308	63	92063	9.724	ppbv	87
40) 1,4-Dioxane	4.570	88	35055	8.236	ppbv #	93
41) Tetrahydrofuran	3.046	42	92013	8.739	ppbv	100
42) Bromodichloromethane	4.480	83	232959	11.161	ppbv	100
43) Methyl Methacrylate	4.865	69	122481	8.920	ppbv	96
44) 2,2,4-Trimethylpentane	4.632	57	428558	9.646	ppbv	98
45) t-1,3-Dichloropropene	6.402	75	96138	7.511	ppbv	100

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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	5.590	75	117380	7.810	ppbv	98
47) 1,1,2-Trichloroethane	6.571	97	104185	10.369	ppbv	97
48) Dibromochloromethane	7.377	129	188165	10.892	ppbv	99
49) Bromoform	9.474	173	168175	10.991	ppbv	99
50) 4-Methyl-2-Pentanone	5.736	43	237956	8.859	ppbv	99
51) 2-Hexanone	7.425	43	170769	8.187	ppbv #	99
52) Tetrachloroethene	8.218	164	99982	10.391	ppbv	98
53) Toluene	6.927	91	294482	9.614	ppbv	100
54) 1,2-Dibromoethane	7.642	107	143721	9.720	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.917	131	176862	11.221	ppbv	99
57) Chlorobenzene	8.914	112	234816	10.664	ppbv	99
58) Ethyl Benzene	9.348	91	427546	10.357	ppbv	99
59) m/p-Xylene	9.542	91	708974m	21.422	ppbv	
60) o-Xylene	9.956	91	353595	10.695	ppbv	99
61) Styrene	9.862	104	135477	9.363	ppbv	98
62) Isopropylbenzene	10.532	105	634112	10.720	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.953	83	218173	10.371	ppbv	99
64) n-propylbenzene	10.982	120	159286	10.480	ppbv	97
65) tert-Butylbenzene	11.526	119	552915	10.467	ppbv	98
66) Benzyl Chloride	11.610	91	22396	4.178	ppbv	98
67) sec-Butylbenzene	11.762	105	779369	10.570	ppbv	99
69) p-Isopropyltoluene	11.921	119	649941	10.405	ppbv	100
70) n-Butylbenzene	12.277	91	622858	10.278	ppbv	100
71) 2-Chlorotoluene	10.895	91	469961	10.337	ppbv	100
72) 4-Ethyltoluene	11.118	105	423927	10.529	ppbv	98
73) 1,3,5-Trimethylbenzene	11.199	105	358599	10.613	ppbv	95
74) 1,2,4-Trimethylbenzene	11.532	105	392516	10.645	ppbv	94
75) 1,3-Dichlorobenzene	11.604	146	231654	10.765	ppbv	99
76) 1,4-Dichlorobenzene	11.665	146	229039	10.642	ppbv	100
77) 1,2-Dichlorobenzene	11.944	146	220159	10.642	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	171979	9.961	ppbv	100
79) Naphthalene	13.507	128	319763	9.764	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	75079	8.734	ppbv	97
81) 1,2,4-Trichlorobenzene	13.436	180	157618	10.761	ppbv	99

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

