

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101625\
 Data File : VL043127.D
 Acq On : 16 Oct 2025 11:18
 Operator : SY/MD
 Sample : VL1016ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01

Quant Time: Oct 17 01:13:09 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/17/2025
 Supervised By : Mahesh Dadoda 10/17/2025

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

Internal Standards						
1) Bromochloromethane	2.790	49	90912	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	288948	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	252106	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 208995 10.665 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	143313	11.088	ppbv	99
3) Chlorodifluoromethane	1.479	51	130988	9.367	ppbv	93
4) Chloromethane	1.534	50	48252	9.424	ppbv	96
5) Vinyl Chloride	1.583	62	49337	9.824	ppbv	97
6) Bromomethane	1.670	94	29207	10.606	ppbv	94
7) Chloroethane	1.706	64	20109	9.794	ppbv	99
8) Dichlorotetrafluoroethane	1.557	85	114282	10.940	ppbv	96
9) Propene	1.486	41	47678	7.688	ppbv	99
10) Heptane	4.985	43	141869	7.946	ppbv	95
11) Trichlorofluoromethane	1.881	101	150199	11.881	ppbv	97
12) 1,1,2-Trichlorotrifluoro...	2.143	101	113499	11.151	ppbv	99
13) Ethanol	1.722	45	18344	7.996	ppbv	98
14) Bromoethene	1.784	108	40985	10.840	ppbv	98
15) Acetone	1.835	43	112632	9.192	ppbv	99
16) 1,3-Butadiene	1.612	39	55938	9.579	ppbv	97
17) tert-Butyl alcohol	2.043	59	177150	10.532	ppbv	100
18) 1,1-Dichloroethene	2.036	96	49422	11.138	ppbv	92
19) Isopropyl Alcohol	1.887	45	73183	9.589	ppbv	100
20) Methylene Chloride	2.065	84	43443	8.969	ppbv	94
21) Allyl Chloride	2.098	41	89747	9.939	ppbv	92
22) trans-1,2-Dichloroethene	2.344	96	55968	10.552	ppbv	97
23) Vinyl Acetate	2.463	43	174101	9.699	ppbv	98
24) 1,1-Dichloroethane	2.412	63	109513	10.686	ppbv	99
25) Ethyl Acetate	2.836	43	265844	8.749	ppbv	99
26) Hexane	2.829	57	128562	9.182	ppbv	94
27) Carbon Disulfide	2.153	76	137461	10.715	ppbv	99
28) Methyl tert-Butyl Ether	2.441	73	66437	10.430	ppbv	94
29) Chloroform	2.852	83	211887	10.444	ppbv	100
30) Cyclohexane	3.858	84	108080	8.844	ppbv	93
31) cis-1,2-Dichloroethene	2.722	61	136578	10.215	ppbv	98
32) 1,1,1-Trichloroethane	3.370	97	225410	10.669	ppbv	99
34) 2-Butanone	2.557	43	175824	9.052	ppbv	97
35) Carbon Tetrachloride	3.768	117	231342	11.136	ppbv	100
36) Benzene	3.661	78	257206	9.451	ppbv	98
37) 1,2-Dichloroethane	3.221	62	172087	10.977	ppbv #	96
38) Trichloroethene	4.554	130	100221	8.818	ppbv	96
39) 1,2-Dichloropropane	4.318	63	90964	9.143	ppbv	92
40) 1,4-Dioxane	4.583	88	39371	8.843	ppbv #	94
41) Tetrahydrofuran	3.056	42	87412	8.046	ppbv	92
42) Bromodichloromethane	4.493	83	231475	10.668	ppbv	98
43) Methyl Methacrylate	4.884	69	127142	9.198	ppbv	93
44) 2,2,4-Trimethylpentane	4.642	57	407826	8.882	ppbv	97
45) t-1,3-Dichloropropene	6.419	75	134398	9.689	ppbv	96

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	158197	9.547	ppbv	94
47) 1,1,2-Trichloroethane	6.587	97	100302	9.336	ppbv	98
48) Dibromochloromethane	7.390	129	178353	9.928	ppbv	100
49) Bromoform	9.484	173	144246	9.879	ppbv	100
50) 4-Methyl-2-Pentanone	5.752	43	225487	8.412	ppbv	98
51) 2-Hexanone	7.435	43	171746	8.542	ppbv #	99
52) Tetrachloroethene	8.228	164	88288	8.996	ppbv	95
53) Toluene	6.936	91	294609	9.121	ppbv	98
54) 1,2-Dibromoethane	7.655	107	157255	9.345	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.927	131	161319	10.151	ppbv	98
57) Chlorobenzene	8.924	112	218635	9.270	ppbv	97
58) Ethyl Benzene	9.357	91	416736	9.632	ppbv	98
59) m/p-Xylene	9.555	91	675504m	19.574	ppbv	
60) o-Xylene	9.966	91	332756	9.763	ppbv	98
61) Styrene	9.875	104	143481	9.325	ppbv	97
62) Isopropylbenzene	10.542	105	603364	9.797	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.963	83	207157	9.077	ppbv	100
64) n-propylbenzene	10.992	120	151633	9.299	ppbv	93
65) tert-Butylbenzene	11.532	119	497174	9.141	ppbv	93
66) Benzyl Chloride	11.617	91	50989	8.424	ppbv	98
67) sec-Butylbenzene	11.769	105	726431	9.411	ppbv	98
69) p-Isopropyltoluene	11.927	119	607694	9.265	ppbv	97
70) n-Butylbenzene	12.283	91	617901	9.560	ppbv	98
71) 2-Chlorotoluene	10.905	91	453663	9.658	ppbv	97
72) 4-Ethyltoluene	11.128	105	404726	9.657	ppbv	98
73) 1,3,5-Trimethylbenzene	11.206	105	340778	9.859	ppbv	91
74) 1,2,4-Trimethylbenzene	11.539	105	361647	9.350	ppbv	98
75) 1,3-Dichlorobenzene	11.610	146	208099	9.276	ppbv	98
76) 1,4-Dichlorobenzene	11.675	146	211340	9.343	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	195920	9.028	ppbv	97
78) Hexachloro-1,3-Butadiene	13.882	225	137516	8.184	ppbv	99
79) Naphthalene	13.513	128	354180	8.761	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	106518	10.113	ppbv	96
81) 1,2,4-Trichlorobenzene	13.442	180	151426	9.024	ppbv	99

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

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