

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101525\
 Data File : VL043116.D
 Acq On : 15 Oct 2025 10:15
 Operator : SY/MD
 Sample : VL1015ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1015ABS01

Quant Time: Oct 16 01:14:54 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 10/16/2025
 Supervised By : Mahesh Dadoda 10/17/2025

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

Internal Standards						
1) Bromochloromethane	2.790	49	93836	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	302461	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	271209	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 217166 10.302 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	131416	9.851	ppbv	99
3) Chlorodifluoromethane	1.476	51	131982	9.144	ppbv	99
4) Chloromethane	1.534	50	47577	9.003	ppbv	99
5) Vinyl Chloride	1.583	62	47002	9.068	ppbv	98
6) Bromomethane	1.670	94	27400	9.640	ppbv	100
7) Chloroethane	1.706	64	19366	9.138	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	105053	9.743	ppbv	97
9) Propene	1.486	41	53024	8.283	ppbv	99
10) Heptane	4.981	43	151642	8.228	ppbv	99
11) Trichlorofluoromethane	1.881	101	138197	10.591	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.143	101	105541	10.046	ppbv	99
13) Ethanol	1.722	45	17262	7.290	ppbv	95
14) Bromoethene	1.784	108	37841	9.696	ppbv	98
15) Acetone	1.835	43	109263	8.639	ppbv	98
16) 1,3-Butadiene	1.612	39	53479	8.872	ppbv	100
17) tert-Butyl alcohol	2.039	59	166341	9.581	ppbv	98
18) 1,1-Dichloroethene	2.036	96	46186	10.084	ppbv	95
19) Isopropyl Alcohol	1.887	45	69684	8.846	ppbv	99
20) Methylene Chloride	2.065	84	42203	8.442	ppbv	93
21) Allyl Chloride	2.098	41	86785	9.312	ppbv	93
22) trans-1,2-Dichloroethene	2.344	96	54715	9.994	ppbv	95
23) Vinyl Acetate	2.463	43	168496	9.095	ppbv	99
24) 1,1-Dichloroethane	2.411	63	105823	10.005	ppbv	99
25) Ethyl Acetate	2.835	43	275684	8.790	ppbv	100
26) Hexane	2.829	57	126834	8.776	ppbv	98
27) Carbon Disulfide	2.153	76	132560	10.011	ppbv	98
28) Methyl tert-Butyl Ether	2.441	73	61275	9.319	ppbv	97
29) Chloroform	2.852	83	201183	9.607	ppbv	97
30) Cyclohexane	3.861	84	111570	8.845	ppbv	95
31) cis-1,2-Dichloroethene	2.722	61	132435	9.596	ppbv	96
32) 1,1,1-Trichloroethane	3.373	97	212419	9.741	ppbv	100
34) 2-Butanone	2.557	43	180097	8.858	ppbv	98
35) Carbon Tetrachloride	3.768	117	211777	9.739	ppbv	93
36) Benzene	3.658	78	266465	9.354	ppbv	100
37) 1,2-Dichloroethane	3.221	62	160950	9.808	ppbv	98
38) Trichloroethene	4.551	130	103087	8.665	ppbv	97
39) 1,2-Dichloropropane	4.315	63	92588	8.890	ppbv	96
40) 1,4-Dioxane	4.583	88	43167	9.263	ppbv #	94
41) Tetrahydrofuran	3.056	42	95919	8.435	ppbv	96
42) Bromodichloromethane	4.493	83	224949	9.904	ppbv	100
43) Methyl Methacrylate	4.881	69	130372	9.011	ppbv	98
44) 2,2,4-Trimethylpentane	4.645	57	423028	8.802	ppbv	99
45) t-1,3-Dichloropropene	6.418	75	136672	9.413	ppbv	99

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Manual Integrations
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

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	5.603	75	161245	9.296	ppbv	95
47) 1,1,2-Trichloroethane	6.583	97	102863	9.146	ppbv	96
48) Dibromochloromethane	7.389	129	180998	9.626	ppbv	99
49) Bromoform	9.487	173	146957	9.615	ppbv	99
50) 4-Methyl-2-Pentanone	5.748	43	243541	8.680	ppbv	99
51) 2-Hexanone	7.438	43	186283	8.851	ppbv	99
52) Tetrachloroethene	8.228	164	89410	8.704	ppbv	88
53) Toluene	6.936	91	306729	9.072	ppbv	100
54) 1,2-Dibromoethane	7.655	107	162517	9.226	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.927	131	161028	9.419	ppbv	99
57) Chlorobenzene	8.924	112	226970	8.946	ppbv	98
58) Ethyl Benzene	9.357	91	422762	9.083	ppbv	99
59) m/p-Xylene	9.555	91	677982m	18.262	ppbv	
60) o-Xylene	9.966	91	332591	9.071	ppbv	99
61) Styrene	9.875	104	151632	9.161	ppbv	98
62) Isopropylbenzene	10.542	105	598060	9.027	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	211101	8.598	ppbv	100
64) n-propylbenzene	10.992	120	154542	8.810	ppbv	94
65) tert-Butylbenzene	11.532	119	506098	8.650	ppbv	96
66) Benzyl Chloride	11.616	91	56595	8.691	ppbv	98
67) sec-Butylbenzene	11.772	105	733683	8.836	ppbv	98
69) p-Isopropyltoluene	11.927	119	617578	8.752	ppbv	98
70) n-Butylbenzene	12.283	91	635054	9.133	ppbv	99
71) 2-Chlorotoluene	10.904	91	464145	9.185	ppbv	98
72) 4-Ethyltoluene	11.128	105	408784	9.067	ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	343757	9.245	ppbv	94
74) 1,2,4-Trimethylbenzene	11.539	105	364645	8.764	ppbv	99
75) 1,3-Dichlorobenzene	11.610	146	213175	8.833	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	215187	8.843	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	200329	8.581	ppbv	98
78) Hexachloro-1,3-Butadiene	13.882	225	143609	7.945	ppbv	98
79) Naphthalene	13.516	128	410097	9.429	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	117693	10.387	ppbv	95
81) 1,2,4-Trichlorobenzene	13.442	180	162229	8.987	ppbv	97

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

Manual Integrations

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