

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090425\
 Data File : VL042890.D
 Acq On : 04 Sep 2025 14:45
 Operator : SY/MD
 Sample : VL0904ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0904ABS01

Quant Time: Sep 05 01:22:01 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

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

QLast Update : Thu Aug 14 02:12:54 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/05/2025
 Supervised By : Mahesh Dadoda 09/05/2025

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

Internal Standards						
1) Bromochloromethane	2.794	49	126424	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	347754	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	295195	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.387 95 233141 10.531 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	190156	10.263	ppbv	98
3) Chlorodifluoromethane	1.480	51	215829	10.538	ppbv	99
4) Chloromethane	1.535	50	71767	9.598	ppbv	97
5) Vinyl Chloride	1.583	62	68114	9.250	ppbv	99
6) Bromomethane	1.670	94	27284	9.267	ppbv	99
7) Chloroethane	1.706	64	26790	9.316	ppbv	99
8) Dichlorotetrafluoroethane	1.557	85	155450	10.253	ppbv	95
9) Propene	1.486	41	82956	9.379	ppbv	100
10) Heptane	4.995	43	225153	9.504	ppbv	98
11) Trichlorofluoromethane	1.881	101	188180	10.294	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.143	101	148429	10.187	ppbv	96
13) Ethanol	1.726	45	6078m	7.516	ppbv	
14) Bromoethene	1.787	108	53382	10.121	ppbv	98
15) Acetone	1.839	43	143057	8.554	ppbv	100
16) 1,3-Butadiene	1.612	39	67073	8.847	ppbv	98
17) tert-Butyl alcohol	2.046	59	169678	8.556	ppbv	98
18) 1,1-Dichloroethene	2.039	96	67507	10.539	ppbv	99
19) Isopropyl Alcohol	1.891	45	87358	8.746	ppbv	92
20) Methylene Chloride	2.065	84	57578	8.219	ppbv	93
21) Allyl Chloride	2.101	41	113052	9.569	ppbv	95
22) trans-1,2-Dichloroethene	2.347	96	73133	9.868	ppbv	97
23) Vinyl Acetate	2.467	43	234878	10.215	ppbv	99
24) 1,1-Dichloroethane	2.415	63	145841	9.854	ppbv	98
25) Ethyl Acetate	2.842	43	398993	9.858	ppbv	99
26) Hexane	2.832	57	179880	9.628	ppbv	94
27) Carbon Disulfide	2.156	76	186064	10.234	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	86578	9.089	ppbv	94
29) Chloroform	2.855	83	278130	10.427	ppbv	98
30) Cyclohexane	3.868	84	154277	9.419	ppbv	98
31) cis-1,2-Dichloroethene	2.726	61	181358	9.718	ppbv	92
32) 1,1,1-Trichloroethane	3.376	97	274827	9.749	ppbv	97
34) 2-Butanone	2.564	43	262356	11.173	ppbv	99
35) Carbon Tetrachloride	3.771	117	274384	11.445	ppbv	97
36) Benzene	3.667	78	360165	10.816	ppbv	96
37) 1,2-Dichloroethane	3.227	62	214659	12.338	ppbv	97
38) Trichloroethene	4.561	130	152993	10.060	ppbv	98
39) 1,2-Dichloropropane	4.325	63	135529	11.144	ppbv	93
40) 1,4-Dioxane	4.590	88	56645	9.795	ppbv #	93
41) Tetrahydrofuran	3.059	42	142257	10.866	ppbv	98
42) Bromodichloromethane	4.503	83	307835	11.874	ppbv	98
43) Methyl Methacrylate	4.894	69	138461	10.093	ppbv	95
44) 2,2,4-Trimethylpentane	4.651	57	609738	10.788	ppbv	99
45) t-1,3-Dichloropropene	6.432	75	160460	10.365	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.616	75	203769	10.563	ppbv	97
47) 1,1,2-Trichloroethane	6.593	97	142646	11.070	ppbv	96
48) Dibromochloromethane	7.399	129	232710	11.160	ppbv	98
49) Bromoform	9.493	173	185108	10.764	ppbv	99
50) 4-Methyl-2-Pentanone	5.768	43	341811	10.769	ppbv	98
51) 2-Hexanone	7.448	43	271565	10.873	ppbv #	97
52) Tetrachloroethene	8.234	164	111720	9.274	ppbv	92
53) Toluene	6.949	91	402563	10.168	ppbv	99
54) 1,2-Dibromoethane	7.665	107	202313	10.743	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.937	131	169496	11.103	ppbv	99
57) Chlorobenzene	8.937	112	303624	10.818	ppbv	97
58) Ethyl Benzene	9.364	91	556627	10.685	ppbv	99
59) m/p-Xylene	9.561	91	910133m	22.290	ppbv	
60) o-Xylene	9.972	91	462674	11.264	ppbv	98
61) Styrene	9.882	104	194594	10.112	ppbv	99
62) Isopropylbenzene	10.549	105	654902	10.910	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.972	83	259275	11.478	ppbv	98
64) n-propylbenzene	10.998	120	165171	10.785	ppbv	92
65) tert-Butylbenzene	11.539	119	563255	10.644	ppbv	96
66) Benzyl Chloride	11.623	91	48287	7.188	ppbv	99
67) sec-Butylbenzene	11.775	105	818922	11.025	ppbv	98
69) p-Isopropyltoluene	11.934	119	667469	10.467	ppbv	97
70) n-Butylbenzene	12.290	91	712683	11.269	ppbv	98
71) 2-Chlorotoluene	10.911	91	503794	10.809	ppbv	97
72) 4-Ethyltoluene	11.134	105	555714	11.161	ppbv	98
73) 1,3,5-Trimethylbenzene	11.212	105	457648	10.808	ppbv	96
74) 1,2,4-Trimethylbenzene	11.545	105	507321	10.916	ppbv	98
75) 1,3-Dichlorobenzene	11.617	146	290724	11.004	ppbv	100
76) 1,4-Dichlorobenzene	11.681	146	290443	10.870	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	276916	10.703	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	173101	8.164	ppbv	99
79) Naphthalene	13.520	128	440047	10.443	ppbv	98
80) Naphthalene,2-methyl-	14.462	142	140135	8.900	ppbv	97
81) 1,2,4-Trichlorobenzene	13.449	180	215766	10.188	ppbv	98

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

Manual Integrations

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