

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
 Data File : VL042302.D
 Acq On : 10 Apr 2025 11:05
 Operator : SY/MD
 Sample : VL0410ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025
 Supervised By :Mahesh Dadoda 04/11/2025

Quant Time: Apr 11 01:55:57 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.780	49	181992	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	454728	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	404669	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 327827 9.865 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	251268	9.351	ppbv	100
3) Chlorodifluoromethane	1.473	51	281024	10.237	ppbv	100
4) Chloromethane	1.531	50	108261	9.858	ppbv	96
5) Vinyl Chloride	1.576	62	98639	8.476	ppbv	99
6) Bromomethane	1.664	94	45101	9.063	ppbv	98
7) Chloroethane	1.699	64	39048	8.858	ppbv	100
8) Dichlorotetrafluoroethane	1.550	85	217598	9.509	ppbv	96
9) Propene	1.479	41	109142	8.674	ppbv	98
10) Heptane	4.965	43	316659	9.462	ppbv	100
11) Trichlorofluoromethane	1.874	101	245155	9.376	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.133	101	188616	8.776	ppbv	98
13) Ethanol	1.719	45	6073	5.106	ppbv	83
14) Bromoethene	1.777	108	70885	8.610	ppbv	99
15) Acetone	1.832	43	224780	8.831	ppbv	97
16) 1,3-Butadiene	1.605	39	108045	8.692	ppbv	99
17) tert-Butyl alcohol	2.036	59	241572	7.620	ppbv	99
18) 1,1-Dichloroethene	2.029	96	84303	8.391	ppbv	99
19) Isopropyl Alcohol	1.881	45	121689	8.474	ppbv	93
20) Methylene Chloride	2.055	84	75086	7.921	ppbv	90
21) Allyl Chloride	2.091	41	159249	8.872	ppbv	97
22) trans-1,2-Dichloroethene	2.334	96	98486	8.482	ppbv	99
23) Vinyl Acetate	2.457	43	84988	7.715	ppbv	98
24) 1,1-Dichloroethane	2.402	63	202298	9.398	ppbv	99
25) Ethyl Acetate	2.829	43	654276	9.904	ppbv	99
26) Hexane	2.819	57	244625	9.587	ppbv	96
27) Carbon Disulfide	2.146	76	237591	8.683	ppbv #	95
28) Methyl tert-Butyl Ether	2.434	73	122255	7.696	ppbv	96
29) Chloroform	2.842	83	385486	10.323	ppbv	100
30) Cyclohexane	3.845	84	196837	8.884	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	233042	8.996	ppbv	96
32) 1,1,1-Trichloroethane	3.360	97	375253	8.777	ppbv	98
34) 2-Butanone	2.551	43	367560	11.147	ppbv	97
35) Carbon Tetrachloride	3.755	117	392214	11.041	ppbv	100
36) Benzene	3.648	78	484758	10.753	ppbv	98
37) 1,2-Dichloroethane	3.211	62	290241	11.246	ppbv	99
38) Trichloroethene	4.538	130	193516	10.288	ppbv	99
39) 1,2-Dichloropropane	4.305	63	178422	10.868	ppbv	92
40) 1,4-Dioxane	4.570	88	81717	9.378	ppbv #	96
41) Tetrahydrofuran	3.049	42	201299	10.601	ppbv	95
42) Bromodichloromethane	4.480	83	406194	11.416	ppbv	100
43) Methyl Methacrylate	4.871	69	177759	9.315	ppbv	99
44) 2,2,4-Trimethylpentane	4.628	57	844094	11.080	ppbv	97
45) t-1,3-Dichloropropene	6.402	75	168205	8.215	ppbv	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	226293	9.016	ppbv	98
47) 1,1,2-Trichloroethane	6.570	97	198266	11.424	ppbv	97
48) Dibromochloromethane	7.376	129	318857	10.841	ppbv	100
49) Bromoform	9.474	173	288223	10.915	ppbv	99
50) 4-Methyl-2-Pentanone	5.739	43	518035	9.913	ppbv	96
51) 2-Hexanone	7.428	43	414703	9.664	ppbv #	94
52) Tetrachloroethene	8.215	164	165334	9.248	ppbv	97
53) Toluene	6.923	91	527837	9.877	ppbv	100
54) 1,2-Dibromoethane	7.642	107	265105	10.958	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.917	131	269261	12.088	ppbv	99
57) Chlorobenzene	8.914	112	453135	11.805	ppbv	97
58) Ethyl Benzene	9.348	91	773516	10.761	ppbv	99
59) m/p-Xylene	9.542	91	1316027m	22.929	ppbv	
60) o-Xylene	9.956	91	656144	11.404	ppbv	96
61) Styrene	9.862	104	283752	9.968	ppbv	99
62) Isopropylbenzene	10.532	105	968339	11.254	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.956	83	437804	12.523	ppbv	99
64) n-propylbenzene	10.982	120	260101	11.743	ppbv	98
65) tert-Butylbenzene	11.526	119	891006	11.197	ppbv	99
66) Benzyl Chloride	11.610	91	67064	7.943	ppbv	98
67) sec-Butylbenzene	11.762	105	1266690	11.452	ppbv	99
69) p-Isopropyltoluene	11.921	119	1065111	11.183	ppbv	99
70) n-Butylbenzene	12.277	91	1117359	11.471	ppbv	99
71) 2-Chlorotoluene	10.895	91	738389	11.057	ppbv	98
72) 4-Ethyltoluene	11.118	105	818929	11.431	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	705360	11.273	ppbv	99
74) 1,2,4-Trimethylbenzene	11.532	105	800991	11.112	ppbv	97
75) 1,3-Dichlorobenzene	11.603	146	481728	12.185	ppbv	98
76) 1,4-Dichlorobenzene	11.668	146	479693	12.192	ppbv	99
77) 1,2-Dichlorobenzene	11.940	146	477721	12.411	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	380053	9.700	ppbv	99
79) Naphthalene	13.510	128	905270	11.482	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	422199	10.919	ppbv	99
81) 1,2,4-Trichlorobenzene	13.435	180	402319	11.063	ppbv	99

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

Manual Integrations

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