

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
 Data File : VL042091.D
 Acq On : 03 Mar 2025 22:33
 Operator : SY/MD
 Sample : VL0303ABS02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS02

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/04/2025
 Supervised By : Mahesh Dadoda 03/05/2025

Quant Time: Mar 04 00:25:03 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	144602	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.952	114	327594	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.878	117	287513	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 227753 10.296 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	185405	12.330	ppbv	98
3) Chlorodifluoromethane	1.473	51	221295	10.530	ppbv	100
4) Chloromethane	1.531	50	64050	11.518	ppbv	100
5) Vinyl Chloride	1.576	62	61909	11.770	ppbv	98
6) Bromomethane	1.664	94	30635	12.232	ppbv	98
7) Chloroethane	1.699	64	24875	11.639	ppbv	96
8) Dichlorotetrafluoroethane	1.551	85	146239	11.831	ppbv	96
9) Propene	1.479	41	94788	11.071	ppbv	97
10) Heptane	4.972	43	270427	10.144	ppbv	96
11) Trichlorofluoromethane	1.874	101	195750	12.992	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	149185	12.413	ppbv	93
13) Ethanol	1.719	45	3192	5.873	ppbv	98
14) Bromoethene	1.777	108	50008	11.783	ppbv	99
15) Acetone	1.832	43	144279	11.298	ppbv	98
16) 1,3-Butadiene	1.606	39	68037	11.449	ppbv	100
17) tert-Butyl alcohol	2.036	59	166910	10.447	ppbv	97
18) 1,1-Dichloroethene	2.030	96	64729	11.920	ppbv	95
19) Isopropyl Alcohol	1.884	45	78957	10.764	ppbv	92
20) Methylene Chloride	2.059	84	53839	11.146	ppbv	93
21) Allyl Chloride	2.091	41	108251	11.732	ppbv	98
22) trans-1,2-Dichloroethene	2.337	96	74111	11.707	ppbv	90
23) Vinyl Acetate	2.460	43	56125	6.251	ppbv #	95
24) 1,1-Dichloroethane	2.405	63	142438	12.092	ppbv	99
25) Ethyl Acetate	2.832	43	542611	10.616	ppbv	99
26) Hexane	2.823	57	201527	9.752	ppbv	90
27) Carbon Disulfide	2.146	76	170583	12.178	ppbv	97
28) Methyl tert-Butyl Ether	2.437	73	92652	9.006	ppbv	99
29) Chloroform	2.845	83	282799	10.168	ppbv	97
30) Cyclohexane	3.849	84	159104	9.486	ppbv	92
31) cis-1,2-Dichloroethene	2.716	61	192074	9.819	ppbv	95
32) 1,1,1-Trichloroethane	3.363	97	252498	9.359	ppbv	94
34) 2-Butanone	2.554	43	309717	12.136	ppbv	95
35) Carbon Tetrachloride	3.758	117	260309	11.523	ppbv	97
36) Benzene	3.651	78	388754	11.336	ppbv	97
37) 1,2-Dichloroethane	3.214	62	217922	11.461	ppbv	100
38) Trichloroethene	4.541	130	147738	10.550	ppbv	95
39) 1,2-Dichloropropane	4.308	63	146953	11.289	ppbv	98
40) 1,4-Dioxane	4.577	88	62914	10.588	ppbv #	99
41) Tetrahydrofuran	3.049	42	179086	11.876	ppbv	95
42) Bromodichloromethane	4.483	83	291820	11.391	ppbv	100
43) Methyl Methacrylate	4.875	69	150615	11.246	ppbv	93
44) 2,2,4-Trimethylpentane	4.629	57	692911m	11.448	ppbv	
45) t-1,3-Dichloropropene	6.412	75	132594	9.965	ppbv	97

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	184875	10.737	ppbv	98
47) 1,1,2-Trichloroethane	6.571	97	148260	11.219	ppbv	97
48) Dibromochloromethane	7.383	129	233969	11.305	ppbv	100
49) Bromoform	9.477	173	208721	11.613	ppbv	99
50) 4-Methyl-2-Pentanone	5.745	43	438384	13.282	ppbv	95
51) 2-Hexanone	7.432	43	350416	15.425	ppbv #	98
52) Tetrachloroethene	8.218	164	127330	10.846	ppbv	92
53) Toluene	6.927	91	422840	11.032	ppbv	98
54) 1,2-Dibromoethane	7.645	107	199457	11.164	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.920	131	187001	11.507	ppbv	99
57) Chlorobenzene	8.914	112	339822	11.400	ppbv	98
58) Ethyl Benzene	9.351	91	596488	11.265	ppbv	98
59) m/p-Xylene	9.545	91	991396m	23.528	ppbv	
60) o-Xylene	9.959	91	498859	11.777	ppbv	100
61) Styrene	9.865	104	225758	11.336	ppbv	100
62) Isopropylbenzene	10.535	105	735310	11.590	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	334918	12.006	ppbv	99
64) n-propylbenzene	10.985	120	199133	11.967	ppbv	99
65) tert-Butylbenzene	11.529	119	669374	11.593	ppbv	99
66) Benzyl Chloride	11.610	91	40012	9.082	ppbv	97
67) sec-Butylbenzene	11.765	105	979518	11.862	ppbv	100
69) p-Isopropyltoluene	11.924	119	800799	12.190	ppbv	99
70) n-Butylbenzene	12.280	91	831218	12.395	ppbv	99
71) 2-Chlorotoluene	10.898	91	560433	11.459	ppbv	100
72) 4-Ethyltoluene	11.121	105	623396	12.053	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	528844	11.788	ppbv	99
74) 1,2,4-Trimethylbenzene	11.532	105	585531	11.590	ppbv	94
75) 1,3-Dichlorobenzene	11.604	146	352630	12.128	ppbv	98
76) 1,4-Dichlorobenzene	11.668	146	348193	12.062	ppbv	100
77) 1,2-Dichlorobenzene	11.943	146	343011	12.157	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	238009	10.841	ppbv	99
79) Naphthalene	13.510	128	548073	15.822	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	205124	21.639	ppbv	99
81) 1,2,4-Trichlorobenzene	13.439	180	237478	12.302	ppbv	99

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

