

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
 Data File : VL042152.D
 Acq On : 17 Mar 2025 11:38
 Operator : SY/MD
 Sample : VL0317ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/18/2025
 Supervised By : Mahesh Dadoda 03/18/2025

Quant Time: Mar 18 01:22:57 2025

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

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

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	2.800	49	168331	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	405507	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	339099	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 282890 10.844 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 108.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	180681	10.322	ppbv	99
3) Chlorodifluoromethane	1.479	51	219701	8.980	ppbv	100
4) Chloromethane	1.538	50	71134	10.989	ppbv	99
5) Vinyl Chloride	1.586	62	68001	11.106	ppbv	99
6) Bromomethane	1.674	94	32244	11.059	ppbv	97
7) Chloroethane	1.709	64	26575	10.682	ppbv	93
8) Dichlorotetrafluoroethane	1.557	85	152871	10.624	ppbv	100
9) Propene	1.489	41	87265	8.756	ppbv	99
10) Heptane	5.004	43	250401	8.069	ppbv	97
11) Trichlorofluoromethane	1.884	101	193415	11.028	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.146	101	142239	10.167	ppbv	96
13) Ethanol	1.729	45	6589	10.414	ppbv	100
14) Bromoethene	1.787	108	53682	10.866	ppbv	99
15) Acetone	1.842	43	153734	10.342	ppbv	97
16) 1,3-Butadiene	1.615	39	73596	10.638	ppbv	99
17) tert-Butyl alcohol	2.049	59	168888	9.081	ppbv	97
18) 1,1-Dichloroethene	2.043	96	64186	10.153	ppbv	92
19) Isopropyl Alcohol	1.894	45	87101	10.200	ppbv	93
20) Methylene Chloride	2.068	84	69871	12.426	ppbv	97
21) Allyl Chloride	2.104	41	107619	10.020	ppbv	97
22) trans-1,2-Dichloroethene	2.350	96	70469	9.562	ppbv	94
23) Vinyl Acetate	2.473	43	86073	8.235	ppbv #	98
24) 1,1-Dichloroethane	2.418	63	136457	9.951	ppbv	99
25) Ethyl Acetate	2.848	43	522277	8.777	ppbv	99
26) Hexane	2.836	57	219929	9.143	ppbv	95
27) Carbon Disulfide	2.159	76	170724	10.470	ppbv	97
28) Methyl tert-Butyl Ether	2.450	73	96989	8.099	ppbv	98
29) Chloroform	2.861	83	279316	8.627	ppbv	98
30) Cyclohexane	3.871	84	153350	7.854	ppbv	96
31) cis-1,2-Dichloroethene	2.732	61	175002	7.685	ppbv	96
32) 1,1,1-Trichloroethane	3.382	97	252623	8.044	ppbv	96
34) 2-Butanone	2.567	43	285475	9.036	ppbv	98
35) Carbon Tetrachloride	3.777	117	263308	9.416	ppbv	97
36) Benzene	3.671	78	368780	8.687	ppbv	99
37) 1,2-Dichloroethane	3.230	62	205805	8.744	ppbv	99
38) Trichloroethene	4.570	130	141107	8.140	ppbv	97
39) 1,2-Dichloropropane	4.334	63	138287	8.583	ppbv	97
40) 1,4-Dioxane	4.609	88	62727	8.528	ppbv #	98
41) Tetrahydrofuran	3.069	42	158737	8.504	ppbv	97
42) Bromodichloromethane	4.512	83	284311	8.966	ppbv	99
43) Methyl Methacrylate	4.910	69	132841	8.013	ppbv	97
44) 2,2,4-Trimethylpentane	4.661	57	662648	8.845	ppbv	97
45) t-1,3-Dichloropropene	6.441	75	120373	7.308	ppbv	100

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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)
46) cis-1,3-Dichloropropene	5.629	75	168060	7.885	ppbv	97
47) 1,1,2-Trichloroethane	6.606	97	145834	8.915	ppbv	97
48) Dibromochloromethane	7.412	129	224861	8.777	ppbv	98
49) Bromoform	9.500	173	203574	9.150	ppbv	99
50) 4-Methyl-2-Pentanone	5.781	43	378000	9.252	ppbv	97
51) 2-Hexanone	7.461	43	289813	10.306	ppbv #	96
52) Tetrachloroethene	8.244	164	121217	8.341	ppbv	97
53) Toluene	6.959	91	380447	8.019	ppbv	98
54) 1,2-Dibromoethane	7.674	107	187462	8.477	ppbv	90
56) 1,1,1,2-Tetrachloroethane	8.943	131	183855	9.593	ppbv	100
57) Chlorobenzene	8.940	112	325825	9.267	ppbv	98
58) Ethyl Benzene	9.374	91	530577	8.496	ppbv	99
59) m/p-Xylene	9.568	91	911062m	18.332	ppbv	
60) o-Xylene	9.982	91	457063	9.148	ppbv	99
61) Styrene	9.888	104	195754	8.334	ppbv	99
62) Isopropylbenzene	10.555	105	674921	9.020	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.979	83	324554	9.864	ppbv	99
64) n-propylbenzene	11.005	120	183756	9.363	ppbv	100
65) tert-Butylbenzene	11.545	119	624075	9.165	ppbv	98
66) Benzyl Chloride	11.629	91	42782	8.233	ppbv	97
67) sec-Butylbenzene	11.782	105	891362	9.153	ppbv	99
69) p-Isopropyltoluene	11.937	119	713173	9.204	ppbv	98
70) n-Butylbenzene	12.293	91	740235	9.359	ppbv	99
71) 2-Chlorotoluene	10.914	91	498827	8.648	ppbv	99
72) 4-Ethyltoluene	11.141	105	553863	9.080	ppbv	99
73) 1,3,5-Trimethylbenzene	11.218	105	470478	8.891	ppbv	99
74) 1,2,4-Trimethylbenzene	11.552	105	546537	9.173	ppbv	92
75) 1,3-Dichlorobenzene	11.623	146	315233	9.193	ppbv	99
76) 1,4-Dichlorobenzene	11.684	146	312196	9.170	ppbv	99
77) 1,2-Dichlorobenzene	11.960	146	313994	9.436	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	219764	8.487	ppbv	99
79) Naphthalene	13.526	128	451423	11.049	ppbv	99
80) Naphthalene,2-methyl-	14.471	142	140075	12.529	ppbv	100
81) 1,2,4-Trichlorobenzene	13.452	180	209284	9.192	ppbv	98

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

