

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041886.D
 Acq On : 10 Jan 2025 01:48
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 10 03:16:53 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

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

QLast Update : Fri Jan 10 00:31:30 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	104825	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	313137	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	284767	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.390 95 234633 10.276 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	251226	14.598	ppbv	98
3) Chlorodifluoromethane	1.479	51	226059	11.959	ppbv	94
4) Chloromethane	1.538	50	87266	13.045	ppbv	92
5) Vinyl Chloride	1.583	62	89267	12.548	ppbv	97
6) Bromomethane	1.673	94	43354	12.930	ppbv	91
7) Chloroethane	1.709	64	36916	13.387	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	207460	13.866	ppbv	97
9) Propene	1.486	41	94368	10.699	ppbv	98
10) Heptane	4.994	43	257182	11.057	ppbv	99
11) Trichlorofluoromethane	1.884	101	258114	14.593	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.146	101	200105	13.985	ppbv	96
13) Ethanol	1.725	45	6097	10.884	ppbv	96
14) Bromoethene	1.787	108	71726	14.003	ppbv	97
15) Acetone	1.839	43	202795	11.471	ppbv	95
16) 1,3-Butadiene	1.612	39	92973	12.243	ppbv	99
17) tert-Butyl alcohol	2.046	59	264168	13.170	ppbv	98
18) 1,1-Dichloroethene	2.042	96	87753	13.552	ppbv	93
19) Isopropyl Alcohol	1.890	45	110904	11.935	ppbv	99
20) Methylene Chloride	2.068	84	73819	12.240	ppbv	96
21) Allyl Chloride	2.104	41	146282	12.931	ppbv	96
22) trans-1,2-Dichloroethene	2.350	96	98365	13.118	ppbv	97
23) Vinyl Acetate	2.470	43	94122	10.507	ppbv #	95
24) 1,1-Dichloroethane	2.418	63	192112	13.529	ppbv	99
25) Ethyl Acetate	2.845	43	511511	11.643	ppbv	99
26) Hexane	2.835	57	203956	11.286	ppbv	97
27) Carbon Disulfide	2.159	76	226261	13.071	ppbv	95
28) Methyl tert-Butyl Ether	2.450	73	154579	11.208	ppbv	100
29) Chloroform	2.858	83	322148	12.739	ppbv	96
30) Cyclohexane	3.871	84	182743	11.774	ppbv	96
31) cis-1,2-Dichloroethene	2.729	61	209909	11.885	ppbv	96
32) 1,1,1-Trichloroethane	3.379	97	326265	12.989	ppbv	99
34) 2-Butanone	2.564	43	298930	11.484	ppbv	99
35) Carbon Tetrachloride	3.777	117	323697	13.302	ppbv	97
36) Benzene	3.670	78	432392	11.903	ppbv	98
37) 1,2-Dichloroethane	3.230	62	251168	13.179	ppbv	99
38) Trichloroethene	4.567	130	175460	12.233	ppbv	96
39) 1,2-Dichloropropane	4.331	63	148232	11.470	ppbv	93
40) 1,4-Dioxane	4.603	88	69900	10.757	ppbv #	86
41) Tetrahydrofuran	3.062	42	166502	10.891	ppbv	98
42) Bromodichloromethane	4.509	83	339252	12.957	ppbv	98
43) Methyl Methacrylate	4.900	69	168111	11.300	ppbv	97
44) 2,2,4-Trimethylpentane	4.658	57	705019	11.489	ppbv	97
45) t-1,3-Dichloropropene	6.438	75	168096	11.040	ppbv	100

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

QLast Update : Fri Jan 10 00:31:30 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	218539	11.186	ppbv	96
47) 1,1,2-Trichloroethane	6.603	97	161787	11.900	ppbv	96
48) Dibromochloromethane	7.402	129	270484	13.119	ppbv	99
49) Bromoform	9.496	173	223326	12.411	ppbv	99
50) 4-Methyl-2-Pentanone	5.771	43	421661m	11.351	ppbv	
51) 2-Hexanone	7.454	43	339404	11.108	ppbv	99
52) Tetrachloroethene	8.241	164	148483	10.668	ppbv	98
53) Toluene	6.952	91	496758	11.498	ppbv	100
54) 1,2-Dibromoethane	7.668	107	226012	12.224	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.940	131	214369	12.630	ppbv	100
57) Chlorobenzene	8.937	112	381424	12.013	ppbv	96
58) Ethyl Benzene	9.367	91	701315	11.978	ppbv	99
59) m/p-Xylene	9.564	91	1128437m	24.387	ppbv	
60) o-Xylene	9.975	91	556165	12.051	ppbv	100
61) Styrene	9.882	104	265161	11.506	ppbv	99
62) Isopropylbenzene	10.552	105	844067	12.147	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.975	83	326254	11.769	ppbv	99
64) n-propylbenzene	11.001	120	211670	11.691	ppbv	100
65) tert-Butylbenzene	11.542	119	758549	12.062	ppbv	99
66) Benzyl Chloride	11.626	91	53210	8.168	ppbv	99
67) sec-Butylbenzene	11.778	105	1031643	11.905	ppbv	99
69) p-Isopropyltoluene	11.937	119	876973	11.860	ppbv	98
70) n-Butylbenzene	12.290	91	859773	11.585	ppbv	100
71) 2-Chlorotoluene	10.911	91	630368	11.718	ppbv	99
72) 4-Ethyltoluene	11.137	105	681847	12.049	ppbv	99
73) 1,3,5-Trimethylbenzene	11.215	105	580168	12.075	ppbv	99
74) 1,2,4-Trimethylbenzene	11.548	105	621932	11.917	ppbv	96
75) 1,3-Dichlorobenzene	11.620	146	353298	11.293	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	353439	11.412	ppbv	98
77) 1,2-Dichlorobenzene	11.956	146	342899	11.595	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	247159	9.723	ppbv	100
79) Naphthalene	13.523	128	532813	9.477	ppbv	99
80) Naphthalene,2-methyl-	14.468	142	187936	6.198	ppbv	97
81) 1,2,4-Trichlorobenzene	13.452	180	249442	9.318	ppbv	100

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

