

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022625\
 Data File : VL042064.D
 Acq On : 26 Feb 2025 16:29
 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 : Semsettin Yesilyurt 02/27/2025
 Supervised By : Mahesh Dadoda 02/27/2025

Quant Time: Feb 27 00:32:01 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	2.797	49	145126	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	339812	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	289628	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.386 95 238619 10.709 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 107.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	159582	10.575	ppbv	97
3) Chlorodifluoromethane	1.479	51	204969	9.718	ppbv	100
4) Chloromethane	1.537	50	55035	9.861	ppbv	97
5) Vinyl Chloride	1.583	62	53022	10.044	ppbv	98
6) Bromomethane	1.670	94	25310	10.069	ppbv	96
7) Chloroethane	1.709	64	21079	9.828	ppbv	90
8) Dichlorotetrafluoroethane	1.557	85	124960	10.073	ppbv	99
9) Propene	1.486	41	81837	9.524	ppbv	98
10) Heptane	4.994	43	250710	9.371	ppbv	98
11) Trichlorofluoromethane	1.881	101	153827	10.173	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.146	101	124247	10.301	ppbv	97
13) Ethanol	1.725	45	2739	5.021	ppbv	96
14) Bromoethene	1.787	108	42497	9.977	ppbv	100
15) Acetone	1.838	43	117289	9.152	ppbv	100
16) 1,3-Butadiene	1.612	39	59439	9.966	ppbv	97
17) tert-Butyl alcohol	2.046	59	141752	8.840	ppbv	98
18) 1,1-Dichloroethene	2.039	96	49911	9.158	ppbv	97
19) Isopropyl Alcohol	1.890	45	64058	8.701	ppbv	96
20) Methylene Chloride	2.068	84	43857	9.047	ppbv	98
21) Allyl Chloride	2.101	41	91044	9.832	ppbv	98
22) trans-1,2-Dichloroethene	2.347	96	61633	9.701	ppbv	95
23) Vinyl Acetate	2.470	43	67233	7.461	ppbv #	97
24) 1,1-Dichloroethane	2.415	63	116741	9.875	ppbv	100
25) Ethyl Acetate	2.845	43	504056	9.826	ppbv	99
26) Hexane	2.835	57	191992	9.257	ppbv	94
27) Carbon Disulfide	2.156	76	142910	10.165	ppbv	99
28) Methyl tert-Butyl Ether	2.450	73	126508	12.252	ppbv	98
29) Chloroform	2.858	83	261772	9.378	ppbv	99
30) Cyclohexane	3.871	84	149052	8.855	ppbv	91
31) cis-1,2-Dichloroethene	2.729	61	183442	9.344	ppbv	94
32) 1,1,1-Trichloroethane	3.379	97	248076	9.162	ppbv	95
34) 2-Butanone	2.567	43	290227	10.963	ppbv	95
35) Carbon Tetrachloride	3.774	117	251828	10.747	ppbv	94
36) Benzene	3.670	78	359459	10.105	ppbv	97
37) 1,2-Dichloroethane	3.227	62	214176	10.859	ppbv	98
38) Trichloroethene	4.564	130	137505	9.466	ppbv	97
39) 1,2-Dichloropropane	4.331	63	138024	10.222	ppbv	97
40) 1,4-Dioxane	4.596	88	62168m	10.086	ppbv	
41) Tetrahydrofuran	3.065	42	165714	10.594	ppbv	97
42) Bromodichloromethane	4.505	83	279856	10.531	ppbv	100
43) Methyl Methacrylate	4.900	69	144235	10.382	ppbv	91
44) 2,2,4-Trimethylpentane	4.658	57	649945	10.352	ppbv	98
45) t-1,3-Dichloropropene	6.438	75	137874	9.989	ppbv	93

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	182891	10.240	ppbv	99
47) 1,1,2-Trichloroethane	6.606	97	137964	10.065	ppbv	93
48) Dibromochloromethane	7.406	129	218061	10.157	ppbv	99
49) Bromoform	9.496	173	185761	9.964	ppbv	98
50) 4-Methyl-2-Pentanone	5.774	43	405288	11.837	ppbv	97
51) 2-Hexanone	7.454	43	330554	14.028	ppbv #	98
52) Tetrachloroethene	8.241	164	119036	9.775	ppbv	95
53) Toluene	6.949	91	398443	10.022	ppbv	99
54) 1,2-Dibromoethane	7.671	107	183074	9.879	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.940	131	168838	10.314	ppbv	100
57) Chlorobenzene	8.936	112	309702	10.313	ppbv	99
58) Ethyl Benzene	9.367	91	561460	10.526	ppbv	99
59) m/p-Xylene	9.545	91	893078m	21.040	ppbv	
60) o-Xylene	9.975	91	449623	10.537	ppbv	99
61) Styrene	9.885	104	211787	10.557	ppbv	99
62) Isopropylbenzene	10.552	105	664649	10.400	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.975	83	292489	10.408	ppbv	100
64) n-propylbenzene	11.001	120	180511	10.768	ppbv	100
65) tert-Butylbenzene	11.542	119	591673	10.173	ppbv	98
66) Benzyl Chloride	11.626	91	40834	9.201	ppbv	96
67) sec-Butylbenzene	11.778	105	852278	10.246	ppbv	99
69) p-Isopropyltoluene	11.937	119	700437	10.584	ppbv	99
70) n-Butylbenzene	12.293	91	732089	10.837	ppbv	99
71) 2-Chlorotoluene	10.911	91	509698	10.346	ppbv	100
72) 4-Ethyltoluene	11.137	105	557470	10.700	ppbv	99
73) 1,3,5-Trimethylbenzene	11.215	105	471475	10.432	ppbv	99
74) 1,2,4-Trimethylbenzene	11.548	105	508162	9.985	ppbv	99
75) 1,3-Dichlorobenzene	11.620	146	301775	10.303	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	301091	10.354	ppbv	99
77) 1,2-Dichlorobenzene	11.956	146	295784	10.407	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	209616	9.478	ppbv	99
79) Naphthalene	13.523	128	456669	13.087	ppbv	99
80) Naphthalene,2-methyl-	14.468	142	163016	17.071	ppbv	99
81) 1,2,4-Trichlorobenzene	13.448	180	206336	10.610	ppbv	99

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

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