

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
 Data File : VL042093.D
 Acq On : 04 Mar 2025 09:04
 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 03/04/2025
 Supervised By : Mahesh Dadoda 03/05/2025

Quant Time: Mar 04 09:29:25 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	2.787	49	167907	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.958	114	381495	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.881	117	326649	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 259522 10.327 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	198320	11.359	ppbv	96
3) Chlorodifluoromethane	1.476	51	233895	9.585	ppbv	99
4) Chloromethane	1.531	50	67468	10.449	ppbv	96
5) Vinyl Chloride	1.580	62	65656	10.750	ppbv	98
6) Bromomethane	1.667	94	26970	9.274	ppbv	90
7) Chloroethane	1.703	64	25508	10.279	ppbv	94
8) Dichlorotetrafluoroethane	1.554	85	154138	10.739	ppbv	99
9) Propene	1.482	41	98419	9.900	ppbv	100
10) Heptane	4.978	43	293468	9.481	ppbv	95
11) Trichlorofluoromethane	1.877	101	195789	11.191	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	142638	10.221	ppbv	97
13) Ethanol	1.719	45	2198	3.483	ppbv	84
14) Bromoethene	1.780	108	52575	10.669	ppbv	97
15) Acetone	1.835	43	143128	9.653	ppbv	99
16) 1,3-Butadiene	1.609	39	70259	10.182	ppbv	96
17) tert-Butyl alcohol	2.039	59	167499	9.029	ppbv	96
18) 1,1-Dichloroethene	2.033	96	61772	9.796	ppbv	88
19) Isopropyl Alcohol	1.887	45	83073	9.753	ppbv	98
20) Methylene Chloride	2.062	84	53584	9.554	ppbv	91
21) Allyl Chloride	2.094	41	109113	10.184	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	69098	9.400	ppbv	96
23) Vinyl Acetate	2.463	43	110213	10.571	ppbv #	97
24) 1,1-Dichloroethane	2.408	63	139792	10.220	ppbv	99
25) Ethyl Acetate	2.835	43	549508	9.258	ppbv	99
26) Hexane	2.826	57	221390	9.227	ppbv	99
27) Carbon Disulfide	2.149	76	162589	9.996	ppbv	99
28) Methyl tert-Butyl Ether	2.441	73	98233	8.223	ppbv	98
29) Chloroform	2.848	83	303024	9.383	ppbv	100
30) Cyclohexane	3.858	84	172776	8.871	ppbv	93
31) cis-1,2-Dichloroethene	2.722	61	208859	9.195	ppbv	97
32) 1,1,1-Trichloroethane	3.366	97	279461	8.921	ppbv	94
34) 2-Butanone	2.557	43	328786	11.063	ppbv	97
35) Carbon Tetrachloride	3.761	117	286014	10.872	ppbv	97
36) Benzene	3.658	78	416352	10.425	ppbv	96
37) 1,2-Dichloroethane	3.217	62	233469	10.544	ppbv	99
38) Trichloroethene	4.548	130	221898	13.607	ppbv	97
39) 1,2-Dichloropropane	4.311	63	159465	10.520	ppbv	97
40) 1,4-Dioxane	4.586	88	71148	10.282	ppbv #	96
41) Tetrahydrofuran	3.055	42	188041	10.708	ppbv	96
42) Bromodichloromethane	4.489	83	315319	10.569	ppbv	97
43) Methyl Methacrylate	4.884	69	157370	10.090	ppbv	95
44) 2,2,4-Trimethylpentane	4.638	57	741983	10.527	ppbv	97
45) t-1,3-Dichloropropene	6.412	75	120157m	7.755	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
 Data File : VL042093.D
 Acq On : 04 Mar 2025 09:04
 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 03/04/2025
 Supervised By :Mahesh Dadoda 03/05/2025

Quant Time: Mar 04 09:29:25 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-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	5.599	75	178969	8.926	ppbv	99
47) 1,1,2-Trichloroethane	6.583	97	159040	10.335	ppbv	96
48) Dibromochloromethane	7.386	129	249300	10.344	ppbv	99
49) Bromoform	9.480	173	212808	10.167	ppbv	98
50) 4-Methyl-2-Pentanone	5.758	43	458033	11.916	ppbv	96
51) 2-Hexanone	7.438	43	358436	13.549	ppbv #	99
52) Tetrachloroethene	8.224	164	131232	9.599	ppbv	92
53) Toluene	6.930	91	445651	9.985	ppbv	98
54) 1,2-Dibromoethane	7.652	107	207142	9.956	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.927	131	190510	10.319	ppbv	100
57) Chlorobenzene	8.920	112	348416	10.288	ppbv	99
58) Ethyl Benzene	9.354	91	612914	10.189	ppbv	99
59) m/p-Xylene	9.551	91	1001788m	20.926	ppbv	
60) o-Xylene	9.962	91	511051	10.619	ppbv	99
61) Styrene	9.872	104	229194	10.130	ppbv	98
62) Isopropylbenzene	10.542	105	739509	10.260	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.962	83	176376	5.565	ppbv	100
64) n-propylbenzene	10.988	120	197711	10.458	ppbv	98
65) tert-Butylbenzene	11.532	119	653942	9.969	ppbv	100
66) Benzyl Chloride	11.616	91	20385	4.073	ppbv	96
67) sec-Butylbenzene	11.769	105	926280	9.874	ppbv	99
69) p-Isopropyltoluene	11.927	119	753111	10.090	ppbv	99
70) n-Butylbenzene	12.283	91	760771	9.986	ppbv	99
71) 2-Chlorotoluene	10.901	91	540838	9.734	ppbv	99
72) 4-Ethyltoluene	11.124	105	602704	10.257	ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	513248	10.069	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	563282	9.814	ppbv	97
75) 1,3-Dichlorobenzene	11.607	146	321486	9.732	ppbv	99
76) 1,4-Dichlorobenzene	11.671	146	312269	9.521	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	313268	9.773	ppbv	98
78) Hexachloro-1,3-Butadiene	13.882	225	217361	8.714	ppbv	98
79) Naphthalene	13.516	128	422138	10.726	ppbv	100
80) Naphthalene,2-methyl-	14.461	142	187485	17.408	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	200738	9.153	ppbv	99

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

