

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
 Data File : VL042509.D
 Acq On : 07 May 2025 09:42
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2025
 Supervised By :Mahesh Dadoda 05/09/2025

Quant Time: May 08 01:21:49 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M

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

QLast Update : Fri May 02 03:16:31 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	81937	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	215229	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	182826	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 170192 10.041 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	131205	9.676	ppbv	97
3) Chlorodifluoromethane	1.476	51	145069	10.119	ppbv	96
4) Chloromethane	1.534	50	54815	9.672	ppbv	89
5) Vinyl Chloride	1.580	62	50814	8.906	ppbv	99
6) Bromomethane	1.667	94	25268	9.373	ppbv	87
7) Chloroethane	1.706	64	20891	9.916	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	108696	9.724	ppbv	100
9) Propene	1.486	41	50083	10.681	ppbv	99
10) Heptane	4.985	43	131503	10.812	ppbv	98
11) Trichlorofluoromethane	1.877	101	121527	9.713	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	98122	9.822	ppbv	100
13) Ethanol	1.722	45	6980	7.335	ppbv	98
14) Bromoethene	1.783	108	37590	10.192	ppbv	93
15) Acetone	1.835	43	115866	7.746	ppbv	97
16) 1,3-Butadiene	1.609	39	58778	8.910	ppbv	95
17) tert-Butyl alcohol	2.042	59	121269	9.202	ppbv	99
18) 1,1-Dichloroethene	2.036	96	44860	9.617	ppbv	96
19) Isopropyl Alcohol	1.887	45	74491	8.998	ppbv #	1
20) Methylene Chloride	2.062	84	37490	8.337	ppbv	88
21) Allyl Chloride	2.097	41	92613	9.628	ppbv	100
22) trans-1,2-Dichloroethene	2.340	96	47443	8.708	ppbv	90
23) Vinyl Acetate	2.463	43	151401	10.606	ppbv	98
24) 1,1-Dichloroethane	2.408	63	101794	9.158	ppbv	99
25) Ethyl Acetate	2.839	43	254347	10.620	ppbv	99
26) Hexane	2.829	57	112974	10.828	ppbv	96
27) Carbon Disulfide	2.149	76	122933	10.096	ppbv #	88
28) Methyl tert-Butyl Ether	2.441	73	54473	8.690	ppbv	98
29) Chloroform	2.852	83	193237	9.883	ppbv	96
30) Cyclohexane	3.858	84	90271	10.348	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	120301	9.883	ppbv	99
32) 1,1,1-Trichloroethane	3.373	97	200142	9.435	ppbv	100
34) 2-Butanone	2.560	43	168161	10.802	ppbv	97
35) Carbon Tetrachloride	3.764	117	201528	10.308	ppbv	95
36) Benzene	3.661	78	226700	11.162	ppbv	95
37) 1,2-Dichloroethane	3.221	62	160091	10.227	ppbv	98
38) Trichloroethene	4.551	130	83625	10.796	ppbv	96
39) 1,2-Dichloropropane	4.318	63	80716	10.616	ppbv	98
40) 1,4-Dioxane	4.586	88	35408	9.945	ppbv #	100
41) Tetrahydrofuran	3.055	42	82533	11.155	ppbv	98
42) Bromodichloromethane	4.493	83	204775	10.706	ppbv	98
43) Methyl Methacrylate	4.887	69	87338	11.523	ppbv	96
44) 2,2,4-Trimethylpentane	4.645	57	374553	11.377	ppbv	98
45) t-1,3-Dichloropropene	6.425	75	110481	11.111	ppbv	91

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	133045	11.258	ppbv	98
47) 1,1,2-Trichloroethane	6.593	97	87711m	10.518	ppbv	
48) Dibromochloromethane	7.396	129	152350	10.822	ppbv	97
49) Bromoform	9.487	173	124438	10.540	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	215964	10.967	ppbv	97
51) 2-Hexanone	7.441	43	170305	10.817	ppbv #	96
52) Tetrachloroethene	8.231	164	73780	9.544	ppbv	89
53) Toluene	6.939	91	241726	11.244	ppbv	100
54) 1,2-Dibromoethane	7.658	107	133900	10.503	ppbv	88
56) 1,1,1,2-Tetrachloroethane	8.930	131	115060	10.656	ppbv	98
57) Chlorobenzene	8.927	112	192494	10.478	ppbv	99
58) Ethyl Benzene	9.360	91	343106	11.230	ppbv	96
59) m/p-Xylene	9.555	91	595807m	23.261	ppbv	
60) o-Xylene	9.969	91	298656	11.646	ppbv	100
61) Styrene	9.878	104	110233	11.518	ppbv	95
62) Isopropylbenzene	10.542	105	419436	11.338	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	186673	10.558	ppbv	99
64) n-propylbenzene	10.995	120	104127	11.517	ppbv	96
65) tert-Butylbenzene	11.535	119	371392	11.250	ppbv	99
66) Benzyl Chloride	11.620	91	50858	13.329	ppbv	98
67) sec-Butylbenzene	11.772	105	537314	11.453	ppbv	99
69) p-Isopropyltoluene	11.930	119	443828	11.229	ppbv	99
70) n-Butylbenzene	12.286	91	469958	11.502	ppbv	100
71) 2-Chlorotoluene	10.904	91	327837	11.299	ppbv	100
72) 4-Ethyltoluene	11.128	105	353544	11.693	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	307198	11.552	ppbv	97
74) 1,2,4-Trimethylbenzene	11.542	105	345199	10.729	ppbv	93
75) 1,3-Dichlorobenzene	11.610	146	189617	10.586	ppbv	100
76) 1,4-Dichlorobenzene	11.675	146	191595	11.303	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	184789	10.540	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	159400	9.104	ppbv	99
79) Naphthalene	13.516	128	322955	11.923	ppbv #	95
80) Naphthalene,2-methyl-	14.461	142	234392	11.643	ppbv	100
81) 1,2,4-Trichlorobenzene	13.442	180	155280	10.749	ppbv	98

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

