

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061925\
 Data File : VL042647.D
 Acq On : 19 Jun 2025 08:56
 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 06/23/2025
 Supervised By : Mahesh Dadoda 06/23/2025

Quant Time: Jun 20 01:33:58 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

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

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	105774	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	271342	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.898	117	241435	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.390 95 196559 10.861 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 108.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	136240	10.480	ppbv	97
3) Chlorodifluoromethane	1.479	51	173781	9.706	ppbv	97
4) Chloromethane	1.538	50	51600	10.023	ppbv	98
5) Vinyl Chloride	1.586	62	47359	9.031	ppbv	98
6) Bromomethane	1.674	94	23626	9.256	ppbv	92
7) Chloroethane	1.709	64	19363	9.503	ppbv	94
8) Dichlorotetrafluoroethane	1.560	85	110759	10.225	ppbv	99
9) Propene	1.489	41	61227	8.492	ppbv	93
10) Heptane	4.998	43	192684	9.481	ppbv	100
11) Trichlorofluoromethane	1.884	101	138922	11.485	ppbv	100
12) 1,1,2-Trichlorotrifluoro...	2.146	101	107085	11.274	ppbv	97
13) Ethanol	1.729	45	5756	6.699	ppbv	94
14) Bromoethene	1.787	108	36607	10.246	ppbv	98
15) Acetone	1.842	43	111893	8.782	ppbv	97
16) 1,3-Butadiene	1.615	39	55514	9.198	ppbv	95
17) tert-Butyl alcohol	2.046	59	127048	9.572	ppbv	99
18) 1,1-Dichloroethene	2.043	96	46032	10.456	ppbv	88
19) Isopropyl Alcohol	1.894	45	71320	9.364	ppbv	97
20) Methylene Chloride	2.068	84	40012	9.516	ppbv	97
21) Allyl Chloride	2.104	41	88888	9.888	ppbv	96
22) trans-1,2-Dichloroethene	2.350	96	51990	10.572	ppbv	97
23) Vinyl Acetate	2.470	43	216348	12.562	ppbv #	97
24) 1,1-Dichloroethane	2.418	63	104587	10.337	ppbv	98
25) Ethyl Acetate	2.845	43	344364	9.877	ppbv	100
26) Hexane	2.836	57	149241	9.420	ppbv	97
27) Carbon Disulfide	2.159	76	130069	10.694	ppbv	93
28) Methyl tert-Butyl Ether	2.450	73	67907	10.562	ppbv	97
29) Chloroform	2.858	83	224802	10.911	ppbv	94
30) Cyclohexane	3.871	84	118051	8.988	ppbv	97
31) cis-1,2-Dichloroethene	2.732	61	142746	9.850	ppbv	98
32) 1,1,1-Trichloroethane	3.383	97	214355	10.183	ppbv	98
34) 2-Butanone	2.567	43	223326	11.541	ppbv	99
35) Carbon Tetrachloride	3.777	117	215300	12.020	ppbv	99
36) Benzene	3.671	78	293622	10.989	ppbv	99
37) 1,2-Dichloroethane	3.230	62	166507	12.538	ppbv	98
38) Trichloroethene	4.567	130	114475	10.079	ppbv	87
39) 1,2-Dichloropropane	4.334	63	109999	11.132	ppbv	97
40) 1,4-Dioxane	4.600	88	46358	10.484	ppbv #	87
41) Tetrahydrofuran	3.065	42	119620	10.561	ppbv	98
42) Bromodichloromethane	4.509	83	233466	12.378	ppbv	100
43) Methyl Methacrylate	4.901	69	110041	10.611	ppbv	98
44) 2,2,4-Trimethylpentane	4.661	57	504893	11.047	ppbv	98
45) t-1,3-Dichloropropene	6.438	75	125932	10.611	ppbv	97

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

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

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.626	75	160436	10.789	ppbv	98
47) 1,1,2-Trichloroethane	6.603	97	115320	11.274	ppbv	95
48) Dibromochloromethane	7.409	129	187063	11.424	ppbv	100
49) Bromoform	9.500	173	168088	11.897	ppbv	99
50) 4-Methyl-2-Pentanone	5.774	43	298895	11.136	ppbv	98
51) 2-Hexanone	7.454	43	237889	11.175	ppbv #	97
52) Tetrachloroethene	8.244	164	99591	9.974	ppbv	95
53) Toluene	6.956	91	319753	10.354	ppbv	99
54) 1,2-Dibromoethane	7.671	107	170816	11.282	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.943	131	145178	11.959	ppbv	97
57) Chlorobenzene	8.940	112	258681	11.034	ppbv	99
58) Ethyl Benzene	9.370	91	453357	11.070	ppbv	95
59) m/p-Xylene	9.568	91	763052m	23.676	ppbv	
60) o-Xylene	9.979	91	377860	11.756	ppbv	97
61) Styrene	9.888	104	158381	10.422	ppbv	97
62) Isopropylbenzene	10.552	105	548530	11.551	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.979	83	247429	12.106	ppbv	99
64) n-propylbenzene	11.002	120	145207	11.407	ppbv	94
65) tert-Butylbenzene	11.542	119	482745	11.202	ppbv	97
66) Benzyl Chloride	11.630	91	53662	9.674	ppbv	97
67) sec-Butylbenzene	11.778	105	690565	11.398	ppbv	98
69) p-Isopropyltoluene	11.937	119	569182	11.219	ppbv	98
70) n-Butylbenzene	12.293	91	589246	11.766	ppbv	98
71) 2-Chlorotoluene	10.914	91	419351	11.577	ppbv	96
72) 4-Ethyltoluene	11.138	105	465148	11.607	ppbv	98
73) 1,3,5-Trimethylbenzene	11.215	105	385257	11.615	ppbv	96
74) 1,2,4-Trimethylbenzene	11.549	105	431897	11.734	ppbv	91
75) 1,3-Dichlorobenzene	11.620	146	266086	11.512	ppbv	99
76) 1,4-Dichlorobenzene	11.685	146	266486	11.560	ppbv	98
77) 1,2-Dichlorobenzene	11.960	146	256200	11.421	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	183922	9.909	ppbv	99
79) Naphthalene	13.523	128	403844	11.640	ppbv	99
80) Naphthalene,2-methyl-	14.468	142	190371	12.145	ppbv	99
81) 1,2,4-Trichlorobenzene	13.452	180	208409	10.761	ppbv	99

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

