

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061725\
 Data File : VL042641.D
 Acq On : 17 Jun 2025 09:38
 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 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 04:22:19 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	2.790	49	103264	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	264881	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	233670	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 195426 11.157 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 111.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	136844	10.783	ppbv	97
3) Chlorodifluoromethane	1.476	51	178898	10.235	ppbv	98
4) Chloromethane	1.534	50	49585	9.866	ppbv	100
5) Vinyl Chloride	1.580	62	46548	9.092	ppbv	100
6) Bromomethane	1.670	94	23404	9.392	ppbv	93
7) Chloroethane	1.706	64	19022	9.562	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	106920	10.111	ppbv	99
9) Propene	1.483	41	40351m	5.732	ppbv	
10) Heptane	4.985	43	188873	9.519	ppbv	99
11) Trichlorofluoromethane	1.877	101	129896	11.000	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	97391	10.503	ppbv	98
13) Ethanol	1.722	45	5002	5.963	ppbv	91
14) Bromoethene	1.784	108	36290	10.405	ppbv	98
15) Acetone	1.835	43	110103	8.852	ppbv	97
16) 1,3-Butadiene	1.609	39	55682	9.450	ppbv	94
17) tert-Butyl alcohol	2.043	59	115625	8.923	ppbv	100
18) 1,1-Dichloroethene	2.036	96	42135	9.803	ppbv	91
19) Isopropyl Alcohol	1.887	45	65567	8.818	ppbv	93
20) Methylene Chloride	2.062	84	35759	8.712	ppbv	95
21) Allyl Chloride	2.098	41	81823	9.323	ppbv	97
22) trans-1,2-Dichloroethene	2.344	96	50206	10.458	ppbv	92
23) Vinyl Acetate	2.463	43	209051	12.433	ppbv #	96
24) 1,1-Dichloroethane	2.411	63	100744	10.199	ppbv	99
25) Ethyl Acetate	2.839	43	339219	9.965	ppbv	99
26) Hexane	2.829	57	144081	9.315	ppbv	94
27) Carbon Disulfide	2.153	76	120502	10.148	ppbv	94
28) Methyl tert-Butyl Ether	2.447	73	75589	12.043	ppbv	98
29) Chloroform	2.852	83	222497	11.062	ppbv	96
30) Cyclohexane	3.861	84	115428	9.002	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	138347	9.778	ppbv	94
32) 1,1,1-Trichloroethane	3.370	97	214232	10.425	ppbv	99
34) 2-Butanone	2.560	43	217806	11.530	ppbv	100
35) Carbon Tetrachloride	3.768	117	218187	12.478	ppbv	98
36) Benzene	3.661	78	286924	11.000	ppbv	100
37) 1,2-Dichloroethane	3.221	62	165736	12.785	ppbv	98
38) Trichloroethene	4.551	130	115559	10.423	ppbv	91
39) 1,2-Dichloropropane	4.315	63	105952	10.984	ppbv	98
40) 1,4-Dioxane	4.587	88	44569	10.326	ppbv #	96
41) Tetrahydrofuran	3.059	42	118327	10.701	ppbv	98
42) Bromodichloromethane	4.496	83	234576	12.740	ppbv	94
43) Methyl Methacrylate	4.884	69	106502	10.520	ppbv	97
44) 2,2,4-Trimethylpentane	4.645	57	494537	11.084	ppbv	98
45) t-1,3-Dichloropropene	6.422	75	121340	10.474	ppbv	97

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Quant Title : AIR ANALYSIS BY METHOD TO-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	5.606	75	155615	10.720	ppbv	96
47) 1,1,2-Trichloroethane	6.587	97	111348	11.151	ppbv	93
48) Dibromochloromethane	7.393	129	182603	11.424	ppbv	100
49) Bromoform	9.490	173	161132	11.682	ppbv	99
50) 4-Methyl-2-Pentanone	5.758	43	289344	11.043	ppbv	98
51) 2-Hexanone	7.444	43	235098	11.314	ppbv #	95
52) Tetrachloroethene	8.231	164	95319	9.779	ppbv	97
53) Toluene	6.940	91	311868	10.345	ppbv	100
54) 1,2-Dibromoethane	7.658	107	167327	11.321	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.930	131	144376	12.288	ppbv	98
57) Chlorobenzene	8.927	112	254585	11.221	ppbv	97
58) Ethyl Benzene	9.361	91	444198	11.207	ppbv	96
59) m/p-Xylene	9.539	91	743067m	23.822	ppbv	
60) o-Xylene	9.969	91	371186	11.932	ppbv	97
61) Styrene	9.875	104	154552	10.508	ppbv	97
62) Isopropylbenzene	10.545	105	539476	11.738	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.969	83	240525	12.159	ppbv	100
64) n-propylbenzene	10.995	120	142225	11.544	ppbv	93
65) tert-Butylbenzene	11.536	119	471502	11.305	ppbv	96
66) Benzyl Chloride	11.620	91	52296	9.741	ppbv	97
67) sec-Butylbenzene	11.772	105	684448	11.673	ppbv	97
69) p-Isopropyltoluene	11.930	119	565690	11.520	ppbv	98
70) n-Butylbenzene	12.283	91	583541	12.039	ppbv	97
71) 2-Chlorotoluene	10.904	91	411599	11.741	ppbv	96
72) 4-Ethyltoluene	11.131	105	459848	11.856	ppbv	98
73) 1,3,5-Trimethylbenzene	11.209	105	381189	11.875	ppbv	96
74) 1,2,4-Trimethylbenzene	11.542	105	422453	11.859	ppbv	98
75) 1,3-Dichlorobenzene	11.613	146	260592	11.649	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	261654	11.727	ppbv	100
77) 1,2-Dichlorobenzene	11.953	146	250730	11.548	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	178330	9.927	ppbv	99
79) Naphthalene	13.516	128	399476	11.897	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	187778	12.378	ppbv	98
81) 1,2,4-Trichlorobenzene	13.445	180	205581	10.967	ppbv	99

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

