

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062725\
 Data File : VL042670.D
 Acq On : 27 Jun 2025 08:23
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025

Quant Time: Jun 27 23:00:05 2025

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

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)

Internal Standards						
1) Bromochloromethane	2.784	49	108045	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	273583	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	242543	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 192139 10.568 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	143058	10.773	ppbv	99
3) Chlorodifluoromethane	1.473	51	179746	9.828	ppbv	98
4) Chloromethane	1.531	50	55262	10.509	ppbv	98
5) Vinyl Chloride	1.580	62	49899	9.315	ppbv	99
6) Bromomethane	1.667	94	26847	10.297	ppbv	94
7) Chloroethane	1.703	64	20423	9.812	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	117740	10.641	ppbv	98
9) Propene	1.483	41	69694	9.463	ppbv	98
10) Heptane	4.968	43	199850	9.626	ppbv	100
11) Trichlorofluoromethane	1.874	101	151847	12.290	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.136	101	115647	11.920	ppbv	97
13) Ethanol	1.719	45	6180	7.041	ppbv	94
14) Bromoethene	1.780	108	40932	11.216	ppbv	97
15) Acetone	1.832	43	123589	9.496	ppbv	97
16) 1,3-Butadiene	1.606	39	58029	9.413	ppbv	99
17) tert-Butyl alcohol	2.036	59	137418	10.136	ppbv	99
18) 1,1-Dichloroethene	2.033	96	49732	11.059	ppbv	93
19) Isopropyl Alcohol	1.884	45	78265	10.060	ppbv	96
20) Methylene Chloride	2.059	84	44409	10.340	ppbv	93
21) Allyl Chloride	2.094	41	94033	10.240	ppbv	94
22) trans-1,2-Dichloroethene	2.337	96	57284	11.404	ppbv	93
23) Vinyl Acetate	2.460	43	216852m	12.327	ppbv	
24) 1,1-Dichloroethane	2.405	63	114142	11.044	ppbv	99
25) Ethyl Acetate	2.829	43	359268	10.087	ppbv	99
26) Hexane	2.823	57	153640	9.494	ppbv	95
27) Carbon Disulfide	2.146	76	141726	11.408	ppbv #	90
28) Methyl tert-Butyl Ether	2.437	73	79137	12.050	ppbv	97
29) Chloroform	2.845	83	227578	10.814	ppbv	94
30) Cyclohexane	3.852	84	122018	9.095	ppbv	96
31) cis-1,2-Dichloroethene	2.716	61	148610	10.039	ppbv	94
32) 1,1,1-Trichloroethane	3.363	97	219811	10.223	ppbv	99
34) 2-Butanone	2.551	43	235446	12.068	ppbv	98
35) Carbon Tetrachloride	3.755	117	223094	12.353	ppbv	96
36) Benzene	3.651	78	302997	11.247	ppbv	98
37) 1,2-Dichloroethane	3.214	62	174784	13.054	ppbv	97
38) Trichloroethene	4.538	130	120688	10.539	ppbv	90
39) 1,2-Dichloropropane	4.308	63	113422	11.384	ppbv	100
40) 1,4-Dioxane	4.570	88	50122	11.243	ppbv #	92
41) Tetrahydrofuran	3.049	42	127615	11.174	ppbv	98
42) Bromodichloromethane	4.480	83	243110	12.784	ppbv	95
43) Methyl Methacrylate	4.871	69	112348	10.744	ppbv	98
44) 2,2,4-Trimethylpentane	4.635	57	524538	11.382	ppbv	99
45) t-1,3-Dichloropropene	6.406	75	129456	10.819	ppbv	96

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	162066	10.809	ppbv	98
47) 1,1,2-Trichloroethane	6.571	97	119517	11.589	ppbv	97
48) Dibromochloromethane	7.380	129	193186	11.701	ppbv	100
49) Bromoform	9.480	173	169719	11.914	ppbv	99
50) 4-Methyl-2-Pentanone	5.742	43	309715	11.445	ppbv	98
51) 2-Hexanone	7.428	43	244750	11.404	ppbv #	96
52) Tetrachloroethene	8.218	164	102020	10.134	ppbv	97
53) Toluene	6.927	91	330201	10.605	ppbv	99
54) 1,2-Dibromoethane	7.645	107	178150	11.670	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.920	131	149145	12.229	ppbv	98
57) Chlorobenzene	8.917	112	264774	11.243	ppbv	99
58) Ethyl Benzene	9.351	91	468721	11.393	ppbv	94
59) m/p-Xylene	9.548	91	770704m	23.805	ppbv	
60) o-Xylene	9.959	91	381262	11.807	ppbv	98
61) Styrene	9.866	104	158538	10.384	ppbv	97
62) Isopropylbenzene	10.536	105	550612	11.542	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	248912	12.123	ppbv	100
64) n-propylbenzene	10.985	120	143667	11.235	ppbv	89
65) tert-Butylbenzene	11.529	119	482264	11.140	ppbv	95
66) Benzyl Chloride	11.610	91	52359	9.396	ppbv	97
67) sec-Butylbenzene	11.765	105	702233	11.538	ppbv	98
69) p-Isopropyltoluene	11.924	119	579788	11.375	ppbv	99
70) n-Butylbenzene	12.277	91	595234	11.831	ppbv	97
71) 2-Chlorotoluene	10.898	91	424145	11.656	ppbv	95
72) 4-Ethyltoluene	11.121	105	469737	11.668	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	389215	11.681	ppbv	98
74) 1,2,4-Trimethylbenzene	11.532	105	433019	11.711	ppbv #	91
75) 1,3-Dichlorobenzene	11.604	146	267385	11.515	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	267005	11.529	ppbv	100
77) 1,2-Dichlorobenzene	11.943	146	262323	11.640	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	181355	9.726	ppbv	98
79) Naphthalene	13.510	128	405468	11.633	ppbv	100
80) Naphthalene,2-methyl-	14.455	142	182890	11.615	ppbv	96
81) 1,2,4-Trichlorobenzene	13.436	180	206285	10.602	ppbv	98

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

