

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
 Data File : VL042937.D
 Acq On : 17 Sep 2025 14:52
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL091725

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 18 03:00:18 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M

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

QLast Update : Thu Sep 18 02:57:46 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	163811	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.958	114	429845	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	368077	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 295691 10.278 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	229111	9.792	ppbv	99
3) Chlorodifluoromethane	1.476	51	246816	10.019	ppbv	99
4) Chloromethane	1.534	50	88317	9.392	ppbv	98
5) Vinyl Chloride	1.580	62	79666	8.980	ppbv	97
6) Bromomethane	1.667	94	29113	9.444	ppbv	89
7) Chloroethane	1.706	64	32759	10.026	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	183884	9.905	ppbv	100
9) Propene	1.482	41	98232	10.919	ppbv	99
10) Heptane	4.978	43	264357	11.859	ppbv	100
11) Trichlorofluoromethane	1.877	101	228320	9.878	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	175799	9.735	ppbv	99
13) Ethanol	1.722	45	6424	7.003	ppbv	92
14) Bromoethene	1.783	108	61980	9.634	ppbv	99
15) Acetone	1.835	43	166535	8.277	ppbv	99
16) 1,3-Butadiene	1.609	39	82098	9.755	ppbv	98
17) tert-Butyl alcohol	2.039	59	195293	10.080	ppbv	99
18) 1,1-Dichloroethene	2.036	96	80688	10.208	ppbv	94
19) Isopropyl Alcohol	1.884	45	104411	9.679	ppbv #	1
20) Methylene Chloride	2.062	84	69478	7.931	ppbv	96
21) Allyl Chloride	2.097	41	135109	9.906	ppbv	99
22) trans-1,2-Dichloroethene	2.340	96	88461	9.873	ppbv	97
23) Vinyl Acetate	2.463	43	245812	10.514	ppbv	99
24) 1,1-Dichloroethane	2.408	63	178694	10.097	ppbv	99
25) Ethyl Acetate	2.832	43	465727	10.840	ppbv	99
26) Hexane	2.826	57	214492	11.633	ppbv	94
27) Carbon Disulfide	2.149	76	225070	9.897	ppbv	100
28) Methyl tert-Butyl Ether	2.437	73	100988	9.968	ppbv	99
29) Chloroform	2.848	83	303164	10.059	ppbv	99
30) Cyclohexane	3.858	84	169974	12.237	ppbv	98
31) cis-1,2-Dichloroethene	2.722	61	201417	11.188	ppbv	99
32) 1,1,1-Trichloroethane	3.369	97	282320	10.012	ppbv	99
34) 2-Butanone	2.557	43	295206	10.594	ppbv	98
35) Carbon Tetrachloride	3.761	117	287165	9.398	ppbv	98
36) Benzene	3.657	78	409107	10.911	ppbv	99
37) 1,2-Dichloroethane	3.217	62	226948	10.107	ppbv	100
38) Trichloroethene	4.548	130	176428	10.395	ppbv	98
39) 1,2-Dichloropropane	4.315	63	154678	10.208	ppbv	97
40) 1,4-Dioxane	4.580	88	62205	11.567	ppbv #	95
41) Tetrahydrofuran	3.052	42	164799	11.951	ppbv	98
42) Bromodichloromethane	4.489	83	328094	10.181	ppbv	96
43) Methyl Methacrylate	4.878	69	154971	12.345	ppbv	98
44) 2,2,4-Trimethylpentane	4.641	57	714131	11.419	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	159002	12.012	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	215811	11.827	ppbv	96
47) 1,1,2-Trichloroethane	6.583	97	156292	10.115	ppbv	98
48) Dibromochloromethane	7.386	129	248022	10.249	ppbv	100
49) Bromoform	9.483	173	199430	10.559	ppbv	99
50) 4-Methyl-2-Pentanone	5.748	43	401816	12.061	ppbv	99
51) 2-Hexanone	7.435	43	309643	12.515	ppbv	98
52) Tetrachloroethene	8.224	164	117822	10.191	ppbv	95
53) Toluene	6.936	91	437541	12.514	ppbv	99
54) 1,2-Dibromoethane	7.655	107	216018	10.868	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.924	131	185285	9.881	ppbv	99
57) Chlorobenzene	8.924	112	345434	10.154	ppbv	99
58) Ethyl Benzene	9.357	91	594613	12.539	ppbv	98
59) m/p-Xylene	9.535	91	992545m	24.769	ppbv	
60) o-Xylene	9.966	91	493072	12.376	ppbv	98
61) Styrene	9.875	104	207040	10.047	ppbv	99
62) Isopropylbenzene	10.542	105	705403	12.155	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	281350	9.775	ppbv	99
64) n-propylbenzene	10.992	120	182390	12.121	ppbv	98
65) tert-Butylbenzene	11.532	119	614507	12.391	ppbv	100
66) Benzyl Chloride	11.616	91	55461	12.035	ppbv	99
67) sec-Butylbenzene	11.769	105	903484	11.975	ppbv	99
69) p-Isopropyltoluene	11.927	119	728062	12.521	ppbv	99
70) n-Butylbenzene	12.283	91	776317	9.990	ppbv	99
71) 2-Chlorotoluene	10.904	91	539069	12.518	ppbv	100
72) 4-Ethyltoluene	11.128	105	596475	9.915	ppbv	100
73) 1,3,5-Trimethylbenzene	11.205	105	490000	12.431	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	560019	12.090	ppbv #	88
75) 1,3-Dichlorobenzene	11.610	146	320827	10.925	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	316382	11.199	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	309923	10.460	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	181670	9.601	ppbv	99
79) Naphthalene	13.513	128	471217	9.690	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	114187	7.615	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	219451	9.415	ppbv	98

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

