

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052025\
 Data File : VL042554.D
 Acq On : 20 May 2025 15:25
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL052025

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/21/2025
 Supervised By : Mahesh Dadoda 05/21/2025

Quant Time: May 21 00:50:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M

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

QLast Update : Wed May 21 00:21:29 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	118431	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	390961	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	346965	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 285896 10.296 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	209354	9.453	ppbv	99
3) Chlorodifluoromethane	1.476	51	168456	9.231	ppbv	99
4) Chloromethane	1.534	50	65042	9.116	ppbv	96
5) Vinyl Chloride	1.580	62	70471	8.959	ppbv	99
6) Bromomethane	1.667	94	42047	9.291	ppbv	97
7) Chloroethane	1.706	64	28764	9.094	ppbv	99
8) Dichlorotetrafluoroethane	1.554	85	177488	9.461	ppbv	99
9) Propene	1.483	41	59245	9.342	ppbv	100
10) Heptane	4.985	43	173619	10.390	ppbv	98
11) Trichlorofluoromethane	1.877	101	212118	9.173	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	173752	9.321	ppbv	98
13) Ethanol	1.722	45	7069	7.689	ppbv	96
14) Bromoethene	1.784	108	63741	9.051	ppbv	99
15) Acetone	1.835	43	125505	7.605	ppbv	100
16) 1,3-Butadiene	1.609	39	60004	8.956	ppbv	98
17) tert-Butyl alcohol	2.043	59	175255	9.189	ppbv	99
18) 1,1-Dichloroethene	2.036	96	77131	9.156	ppbv	97
19) Isopropyl Alcohol	1.887	45	84059	8.957	ppbv	99
20) Methylene Chloride	2.062	84	66538	8.327	ppbv	98
21) Allyl Chloride	2.098	41	100865	9.541	ppbv	99
22) trans-1,2-Dichloroethene	2.344	96	88976	9.519	ppbv	98
23) Vinyl Acetate	2.463	43	182347	9.710	ppbv	98
24) 1,1-Dichloroethane	2.412	63	150422	9.385	ppbv	99
25) Ethyl Acetate	2.839	43	315514	9.890	ppbv	100
26) Hexane	2.829	57	146589	10.163	ppbv	99
27) Carbon Disulfide	2.153	76	201875	9.662	ppbv #	95
28) Methyl tert-Butyl Ether	2.441	73	90847	9.347	ppbv	99
29) Chloroform	2.852	83	258359	9.471	ppbv	98
30) Cyclohexane	3.862	84	129538	10.380	ppbv	99
31) cis-1,2-Dichloroethene	2.722	61	152162	9.594	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	270244	9.694	ppbv	100
34) 2-Butanone	2.560	43	200309	9.652	ppbv	99
35) Carbon Tetrachloride	3.768	117	290300	9.711	ppbv	98
36) Benzene	3.661	78	313239	9.900	ppbv	99
37) 1,2-Dichloroethane	3.221	62	188170	9.734	ppbv	99
38) Trichloroethene	4.554	130	140627	9.739	ppbv	98
39) 1,2-Dichloropropane	4.321	63	108946	9.811	ppbv	97
40) 1,4-Dioxane	4.590	88	51792	10.427	ppbv #	95
41) Tetrahydrofuran	3.059	42	108440	10.718	ppbv	99
42) Bromodichloromethane	4.496	83	274837	10.090	ppbv	99
43) Methyl Methacrylate	4.888	69	116455	10.847	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	501579	10.336	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	147149	10.744	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	178337	10.707	ppbv	98
47) 1,1,2-Trichloroethane	6.590	97	131390	9.877	ppbv	97
48) Dibromochloromethane	7.393	129	237878	10.332	ppbv	99
49) Bromoform	9.490	173	205628	10.465	ppbv	99
50) 4-Methyl-2-Pentanone	5.758	43	270068	10.845	ppbv	99
51) 2-Hexanone	7.441	43	212915	11.593	ppbv #	99
52) Tetrachloroethene	8.234	164	120720	9.784	ppbv	96
53) Toluene	6.943	91	362812	10.728	ppbv	100
54) 1,2-Dibromoethane	7.658	107	200806	10.360	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.933	131	183591	9.925	ppbv	100
57) Chlorobenzene	8.927	112	301190	9.745	ppbv	99
58) Ethyl Benzene	9.361	91	510318	11.235	ppbv	99
59) m/p-Xylene	9.558	91	861031m	22.200	ppbv	
60) o-Xylene	9.969	91	430083	11.195	ppbv	100
61) Styrene	9.875	104	175102	11.892	ppbv	98
62) Isopropylbenzene	10.545	105	637555	10.847	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	260626	10.152	ppbv	100
64) n-propylbenzene	10.995	120	165094	11.275	ppbv	99
65) tert-Butylbenzene	11.536	119	585125	11.067	ppbv	99
66) Benzyl Chloride	11.620	91	72130	10.904	ppbv	99
67) sec-Butylbenzene	11.772	105	801855	10.744	ppbv	100
69) p-Isopropyltoluene	11.930	119	696584	11.302	ppbv	100
70) n-Butylbenzene	12.287	91	673132	11.559	ppbv	100
71) 2-Chlorotoluene	10.904	91	469644	11.102	ppbv	99
72) 4-Ethyltoluene	11.131	105	544005	11.466	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	454453	11.073	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	517733	10.461	ppbv	98
75) 1,3-Dichlorobenzene	11.613	146	310575	10.168	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	312140	10.523	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	300239	9.977	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	229507	9.233	ppbv	100
79) Naphthalene	13.516	128	476134	12.839	ppbv	100
80) Naphthalene,2-methyl-	14.462	142	264592	13.848	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	251081	11.272	ppbv	99

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

