

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
 Data File : VL042697.D
 Acq On : 02 Jul 2025 13:08
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL070225

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 01:52:34 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M

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

QLast Update : Thu Jul 03 01:48:28 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	123303	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	310329	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	276453	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.390 95 216163 10.166 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	116554	9.029	ppbv	99
3) Chlorodifluoromethane	1.479	51	174306	9.031	ppbv	100
4) Chloromethane	1.538	50	43699	8.631	ppbv	100
5) Vinyl Chloride	1.586	62	40398	7.938	ppbv	99
6) Bromomethane	1.674	94	19910	8.758	ppbv	97
7) Chloroethane	1.709	64	15991	8.184	ppbv	91
8) Dichlorotetrafluoroethane	1.560	85	93055	8.701	ppbv	99
9) Propene	1.486	41	65538	9.074	ppbv	100
10) Heptane	4.998	43	205783	10.492	ppbv	99
11) Trichlorofluoromethane	1.884	101	123146	9.048	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.146	101	96871	8.992	ppbv	99
13) Ethanol	1.725	45	5367	7.701	ppbv	97
14) Bromoethene	1.787	108	33744	8.987	ppbv	99
15) Acetone	1.842	43	96454	7.887	ppbv	99
16) 1,3-Butadiene	1.612	39	48098	8.535	ppbv	100
17) tert-Butyl alcohol	2.046	59	111736	9.366	ppbv	100
18) 1,1-Dichloroethene	2.039	96	41593	8.690	ppbv	89
19) Isopropyl Alcohol	1.891	45	62969	8.958	ppbv #	1
20) Methylene Chloride	2.069	84	36270	7.756	ppbv	94
21) Allyl Chloride	2.101	41	80005	9.379	ppbv	98
22) trans-1,2-Dichloroethene	2.350	96	47456	9.102	ppbv	91
23) Vinyl Acetate	2.470	43	223198	11.278	ppbv	98
24) 1,1-Dichloroethane	2.415	63	93881	8.712	ppbv	99
25) Ethyl Acetate	2.842	43	357668	9.669	ppbv	100
26) Hexane	2.836	57	153642	9.955	ppbv	98
27) Carbon Disulfide	2.156	76	112533	8.941	ppbv	100
28) Methyl tert-Butyl Ether	2.450	73	63610	10.073	ppbv	97
29) Chloroform	2.858	83	209878	9.003	ppbv	100
30) Cyclohexane	3.871	84	119433	10.263	ppbv	98
31) cis-1,2-Dichloroethene	2.729	61	140575	9.570	ppbv	92
32) 1,1,1-Trichloroethane	3.383	97	194566	8.699	ppbv	99
34) 2-Butanone	2.564	43	231069	9.408	ppbv	99
35) Carbon Tetrachloride	3.774	117	190226	8.859	ppbv	100
36) Benzene	3.671	78	297230	9.503	ppbv	97
37) 1,2-Dichloroethane	3.231	62	149307	8.988	ppbv	100
38) Trichloroethene	4.564	130	117341	8.684	ppbv	92
39) 1,2-Dichloropropane	4.328	63	111969	9.179	ppbv	96
40) 1,4-Dioxane	4.600	88	49078	10.383	ppbv #	98
41) Tetrahydrofuran	3.062	42	128395	10.258	ppbv	98
42) Bromodichloromethane	4.503	83	219302	9.321	ppbv	92
43) Methyl Methacrylate	4.901	69	108319	10.769	ppbv	100
44) 2,2,4-Trimethylpentane	4.658	57	531839	10.122	ppbv	100
45) t-1,3-Dichloropropene	6.438	75	109312	10.353	ppbv	97

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QLast Update : Thu Jul 03 01:48:28 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	146557	10.060	ppbv	99
47) 1,1,2-Trichloroethane	6.600	97	115019	9.574	ppbv	96
48) Dibromochloromethane	7.406	129	171297	9.311	ppbv	98
49) Bromoform	9.500	173	149108	9.384	ppbv	98
50) 4-Methyl-2-Pentanone	5.771	43	300056	10.433	ppbv	99
51) 2-Hexanone	7.451	43	236851	11.319	ppbv	98
52) Tetrachloroethene	8.241	164	96485	9.229	ppbv	98
53) Toluene	6.953	91	319495	10.940	ppbv	99
54) 1,2-Dibromoethane	7.671	107	159700	9.536	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.937	131	132435	8.859	ppbv	98
57) Chlorobenzene	8.937	112	247805	8.935	ppbv	98
58) Ethyl Benzene	9.370	91	433115	10.833	ppbv	97
59) m/p-Xylene	9.565	91	711646m	21.251	ppbv	
60) o-Xylene	9.979	91	349746	10.617	ppbv	98
61) Styrene	9.885	104	145395	11.235	ppbv	99
62) Isopropylbenzene	10.552	105	507890	10.215	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.976	83	230175	9.073	ppbv	98
64) n-propylbenzene	10.998	120	134923	10.599	ppbv	99
65) tert-Butylbenzene	11.542	119	438705	10.308	ppbv	100
66) Benzyl Chloride	11.626	91	42290	10.256	ppbv	99
67) sec-Butylbenzene	11.778	105	643534	9.871	ppbv	100
69) p-Isopropyltoluene	11.937	119	525986	10.137	ppbv	100
70) n-Butylbenzene	12.290	91	546708	10.458	ppbv	100
71) 2-Chlorotoluene	10.914	91	385485	10.480	ppbv	99
72) 4-Ethyltoluene	11.134	105	432340	10.756	ppbv	100
73) 1,3,5-Trimethylbenzene	11.215	105	360290	10.631	ppbv	100
74) 1,2,4-Trimethylbenzene	11.549	105	389736	10.081	ppbv	95
75) 1,3-Dichlorobenzene	11.620	146	249086	9.183	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	243912	9.475	ppbv	100
77) 1,2-Dichlorobenzene	11.956	146	238854	8.718	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	164880	7.726	ppbv	100
79) Naphthalene	13.523	128	362200	11.225	ppbv	98
80) Naphthalene,2-methyl-	14.465	142	141019	10.522	ppbv	99
81) 1,2,4-Trichlorobenzene	13.449	180	184782	9.827	ppbv	99

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

