

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
 Data File : VL042691.D
 Acq On : 02 Jul 2025 09:28
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

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

Quant Time: Jul 03 01:26:40 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 01:24:10 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	122042	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	305483	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	263429	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.387 95 203435 10.040 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	13214	1.034	ppbv	100
3) Chlorodifluoromethane	1.480	51	20689	1.083	ppbv	97
4) Chloromethane	1.535	50	5440	1.086	ppbv	92
5) Vinyl Chloride	1.583	62	4311	0.856	ppbv	99
6) Bromomethane	1.670	94	2395	1.064	ppbv #	76
7) Chloroethane	1.709	64	2066	1.068	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	10757	1.016	ppbv	98
9) Propene	1.486	41	7269	1.017	ppbv	97
10) Heptane	4.998	43	18560m	0.957	ppbv	
11) Trichlorofluoromethane	1.881	101	14164	1.051	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.143	101	11318	1.061	ppbv	95
13) Ethanol	1.725	45	795	1.171	ppbv	72
14) Bromoethene	1.787	108	3790	1.020	ppbv	95
15) Acetone	1.839	43	13196	1.090	ppbv	94
16) 1,3-Butadiene	1.612	39	5928	1.063	ppbv	93
17) tert-Butyl alcohol	2.046	59	12101	1.025	ppbv	99
18) 1,1-Dichloroethene	2.039	96	4779	1.009	ppbv	90
19) Isopropyl Alcohol	1.891	45	6861	0.986	ppbv #	1
20) Methylene Chloride	2.069	84	4922	1.063	ppbv	93
21) Allyl Chloride	2.101	41	8443	1.000	ppbv	96
22) trans-1,2-Dichloroethene	2.347	96	5076	0.984	ppbv	95
23) Vinyl Acetate	2.470	43	18307	0.935	ppbv	97
24) 1,1-Dichloroethane	2.415	63	11310	1.060	ppbv	96
25) Ethyl Acetate	2.845	43	35741	0.976	ppbv	96
26) Hexane	2.832	57	15131	0.991	ppbv	97
27) Carbon Disulfide	2.156	76	12785	1.026	ppbv #	78
28) Methyl tert-Butyl Ether	2.447	73	6208	0.993	ppbv	97
29) Chloroform	2.855	83	24283	1.052	ppbv	99
30) Cyclohexane	3.868	84	11035	0.956	ppbv	94
31) cis-1,2-Dichloroethene	2.729	61	15056	1.036	ppbv	94
32) 1,1,1-Trichloroethane	3.379	97	20910	0.948	ppbv	97
34) 2-Butanone	2.567	43	25091	1.038	ppbv	98
35) Carbon Tetrachloride	3.771	117	21021	0.992	ppbv	88
36) Benzene	3.667	78	32089	1.042	ppbv	93
37) 1,2-Dichloroethane	3.231	62	17166	1.050	ppbv	98
38) Trichloroethene	4.567	130	13382m	1.006	ppbv	
39) 1,2-Dichloropropane	4.324	63	12193	1.015	ppbv	95
40) 1,4-Dioxane	4.606	88	4659m	1.009	ppbv	
41) Tetrahydrofuran	3.069	42	11715	0.951	ppbv	99
42) Bromodichloromethane	4.503	83	23463	1.013	ppbv #	92
43) Methyl Methacrylate	4.891	69	9890m	1.000	ppbv	
44) 2,2,4-Trimethylpentane	4.651	57	51620m	1.005	ppbv	
45) t-1,3-Dichloropropene	6.438	75	9601m	0.924	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	13366	0.932	ppbv	92
47) 1,1,2-Trichloroethane	6.597	97	12302m	1.040	ppbv	
48) Dibromochloromethane	7.399	129	18446	1.019	ppbv	95
49) Bromoform	9.497	173	16000	1.023	ppbv	99
50) 4-Methyl-2-Pentanone	5.778	43	25940m	0.918	ppbv	
51) 2-Hexanone	7.454	43	17236	0.835	ppbv #	96
52) Tetrachloroethene	8.238	164	10305	0.998	ppbv	95
53) Toluene	6.949	91	26314	0.915	ppbv	99
54) 1,2-Dibromoethane	7.665	107	15978	0.968	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.940	131	15492	1.088	ppbv	97
57) Chlorobenzene	8.937	112	28166	1.066	ppbv #	93
58) Ethyl Benzene	9.367	91	34160	0.897	ppbv	100
59) m/p-Xylene	9.561	91	60678m	1.901	ppbv	
60) o-Xylene	9.976	91	30409	0.969	ppbv	99
61) Styrene	9.882	104	10327	0.837	ppbv	97
62) Isopropylbenzene	10.552	105	45619	0.963	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.972	83	25045	1.036	ppbv	99
64) n-propylbenzene	10.995	120	12111	0.998	ppbv	100
65) tert-Butylbenzene	11.539	119	39720	0.979	ppbv	98
66) Benzyl Chloride	11.626	91	3571	0.909	ppbv #	97
67) sec-Butylbenzene	11.775	105	64205	1.033	ppbv	97
69) p-Isopropyltoluene	11.934	119	48735	0.986	ppbv	98
70) n-Butylbenzene	12.290	91	47831	0.960	ppbv	96
71) 2-Chlorotoluene	10.911	91	33676	0.961	ppbv	100
72) 4-Ethyltoluene	11.134	105	35361	0.923	ppbv #	97
73) 1,3,5-Trimethylbenzene	11.215	105	31466	0.974	ppbv	93
74) 1,2,4-Trimethylbenzene	11.545	105	38012	1.032	ppbv	88
75) 1,3-Dichlorobenzene	11.617	146	27976	1.082	ppbv	98
76) 1,4-Dichlorobenzene	11.681	146	25814	1.052	ppbv	97
77) 1,2-Dichlorobenzene	11.957	146	28060	1.075	ppbv	98
78) Hexachloro-1,3-Butadiene	13.889	225	23328	1.147	ppbv	96
79) Naphthalene	13.523	128	29658	0.971	ppbv	98
80) Naphthalene,2-methyl-	14.465	142	7977	0.625	ppbv	98
81) 1,2,4-Trichlorobenzene	13.445	180	17882	0.998	ppbv	99

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

