

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042724.D
 Acq On : 22 Jul 2025 09:30
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/23/2025
 Supervised By : Mahesh Dadoda 07/23/2025

Quant Time: Jul 23 01:30:11 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 22 2025

QLast Update : Wed Jul 23 01:27:20 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	101102	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	317924	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	282833	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 228709 10.005 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	34020	2.155	ppbv	92
3) Chlorodifluoromethane	1.476	51	37949	2.124	ppbv	99
4) Chloromethane	1.531	50	13732	2.125	ppbv	95
5) Vinyl Chloride	1.580	62	12070	1.891	ppbv	93
6) Bromomethane	1.667	94	5551	2.148	ppbv	100
7) Chloroethane	1.703	64	5191	2.138	ppbv	99
8) Dichlorotetrafluoroethane	1.554	85	28356	2.130	ppbv	97
9) Propene	1.483	41	13758	2.166	ppbv	93
10) Heptane	4.975	43	37947	2.144	ppbv	99
11) Trichlorofluoromethane	1.878	101	34792	2.142	ppbv	89
12) 1,1,2-Trichlorotrifluoro...	2.140	101	26888	2.116	ppbv	99
13) Ethanol	1.719	45	2261	2.213	ppbv	99
14) Bromoethene	1.780	108	9630	2.125	ppbv #	96
15) Acetone	1.835	43	39947	2.360	ppbv	99
16) 1,3-Butadiene	1.609	39	15901	2.193	ppbv	90
17) tert-Butyl alcohol	2.039	59	33425	2.079	ppbv	96
18) 1,1-Dichloroethene	2.033	96	10946	2.025	ppbv #	68
19) Isopropyl Alcohol	1.884	45	18210	2.030	ppbv #	72
20) Methylene Chloride	2.062	84	11131	2.092	ppbv	92
21) Allyl Chloride	2.094	41	22673	2.089	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	12861	2.068	ppbv	81
23) Vinyl Acetate	2.460	43	39040	2.023	ppbv #	96
24) 1,1-Dichloroethane	2.408	63	24816	2.001	ppbv	97
25) Ethyl Acetate	2.832	43	67422	2.158	ppbv	98
26) Hexane	2.826	57	30312	2.212	ppbv	99
27) Carbon Disulfide	2.149	76	30719	2.099	ppbv #	89
28) Methyl tert-Butyl Ether	2.441	73	16908	2.122	ppbv	99
29) Chloroform	2.845	83	47714	2.109	ppbv	94
30) Cyclohexane	3.855	84	24823	2.076	ppbv	92
31) cis-1,2-Dichloroethene	2.719	61	31047	2.104	ppbv	94
32) 1,1,1-Trichloroethane	3.363	97	48546	2.037	ppbv	98
34) 2-Butanone	2.557	43	45795	2.092	ppbv	99
35) Carbon Tetrachloride	3.761	117	50507	1.939	ppbv	95
36) Benzene	3.655	78	60020	2.032	ppbv	98
37) 1,2-Dichloroethane	3.214	62	37767	2.005	ppbv #	93
38) Trichloroethene	4.545	130	28165m	1.959	ppbv	
39) 1,2-Dichloropropane	4.315	63	22394	2.036	ppbv	96
40) 1,4-Dioxane	4.587	88	10669m	2.106	ppbv	
41) Tetrahydrofuran	3.056	42	22526	2.013	ppbv	97
42) Bromodichloromethane	4.486	83	49877	2.023	ppbv	95
43) Methyl Methacrylate	4.878	69	23720	2.094	ppbv	99
44) 2,2,4-Trimethylpentane	4.635	57	101672m	2.087	ppbv	
45) t-1,3-Dichloropropene	6.409	75	27030m	1.940	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042724.D
 Acq On : 22 Jul 2025 09:30
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

Quant Time: Jul 23 01:30:11 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M

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

QLast Update : Wed Jul 23 01:27:20 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	33787m	2.042	ppbv	
47) 1,1,2-Trichloroethane	6.584	97	24456	2.030	ppbv #	81
48) Dibromochloromethane	7.383	129	39455	1.970	ppbv	98
49) Bromoform	9.484	173	35458	2.041	ppbv	95
50) 4-Methyl-2-Pentanone	5.749	43	59229	2.056	ppbv	99
51) 2-Hexanone	7.435	43	46981	2.039	ppbv #	98
52) Tetrachloroethene	8.221	164	24130	2.027	ppbv	95
53) Toluene	6.933	91	69313	2.081	ppbv	100
54) 1,2-Dibromoethane	7.652	107	36140	2.007	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.927	131	31192	2.047	ppbv	95
57) Chlorobenzene	8.921	112	57715	2.141	ppbv #	94
58) Ethyl Benzene	9.354	91	100177	2.120	ppbv	93
59) m/p-Xylene	9.548	91	161117m	4.255	ppbv	
60) o-Xylene	9.963	91	80565	2.111	ppbv	98
61) Styrene	9.869	104	34062	2.072	ppbv	97
62) Isopropylbenzene	10.539	105	121281	2.138	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.959	83	44263	2.029	ppbv	98
64) n-propylbenzene	10.989	120	30013	2.097	ppbv	97
65) tert-Butylbenzene	11.529	119	109751	2.162	ppbv	98
66) Benzyl Chloride	11.613	91	8963	1.858	ppbv #	96
67) sec-Butylbenzene	11.766	105	149105	2.138	ppbv	98
69) p-Isopropyltoluene	11.924	119	126075	2.158	ppbv	99
70) n-Butylbenzene	12.280	91	121157	2.170	ppbv	99
71) 2-Chlorotoluene	10.901	91	92375	2.148	ppbv	100
72) 4-Ethyltoluene	11.125	105	96669	2.124	ppbv	98
73) 1,3,5-Trimethylbenzene	11.202	105	79639	2.116	ppbv	99
74) 1,2,4-Trimethylbenzene	11.532	105	85886	2.080	ppbv #	86
75) 1,3-Dichlorobenzene	11.604	146	59294	2.147	ppbv	96
76) 1,4-Dichlorobenzene	11.672	146	57524	2.153	ppbv	98
77) 1,2-Dichlorobenzene	11.944	146	55352	2.091	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	57751	2.241	ppbv	100
79) Naphthalene	13.510	128	61412	1.995	ppbv	97
80) Naphthalene,2-methyl-	14.458	142	7143	0.705	ppbv	93
81) 1,2,4-Trichlorobenzene	13.439	180	39481	2.095	ppbv	99

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

