

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070825\
 Data File : VL042708.D
 Acq On : 08 Jul 2025 10:26
 Operator : SY/MD
 Sample : VL0708ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/09/2025
 Supervised By :Mahesh Dadoda 07/09/2025

Quant Time: Jul 09 01:26:31 2025

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

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

QLast Update : Thu Jul 03 01:50:16 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	119225	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	291223	10.000	ppbv	-0.01
55) Chlorobenzene-d5	8.888	117	254883	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 199659 10.184 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	118466	9.491	ppbv	99
3) Chlorodifluoromethane	1.476	51	176793	9.473	ppbv	99
4) Chloromethane	1.534	50	46248	9.447	ppbv	100
5) Vinyl Chloride	1.580	62	42660	8.670	ppbv	96
6) Bromomethane	1.670	94	20159	9.171	ppbv	96
7) Chloroethane	1.706	64	17912	9.480	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	95560	9.240	ppbv	100
9) Propene	1.486	41	67221	9.626	ppbv	98
10) Heptane	4.985	43	205098	10.815	ppbv	97
11) Trichlorofluoromethane	1.881	101	123959	9.419	ppbv	93
12) 1,1,2-Trichlorotrifluo...	2.143	101	99268	9.530	ppbv	97
13) Ethanol	1.722	45	5286	7.844	ppbv	100
14) Bromoethene	1.784	108	33692	9.280	ppbv	98
15) Acetone	1.835	43	100130	8.468	ppbv	99
16) 1,3-Butadiene	1.609	39	48902	8.975	ppbv	98
17) tert-Butyl alcohol	2.043	59	112571	9.759	ppbv	99
18) 1,1-Dichloroethene	2.036	96	42541	9.192	ppbv	93
19) Isopropyl Alcohol	1.887	45	64075	9.427	ppbv	100
20) Methylene Chloride	2.062	84	36078	7.979	ppbv	93
21) Allyl Chloride	2.098	41	80293	9.735	ppbv	97
22) trans-1,2-Dichloroethene	2.344	96	49124	9.745	ppbv	93
23) Vinyl Acetate	2.463	43	207164	10.826	ppbv	98
24) 1,1-Dichloroethane	2.412	63	98838	9.486	ppbv	98
25) Ethyl Acetate	2.836	43	360877	10.089	ppbv	99
26) Hexane	2.829	57	156100	10.460	ppbv	97
27) Carbon Disulfide	2.153	76	119974	9.858	ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	58582	9.594	ppbv	99
29) Chloroform	2.852	83	214005	9.494	ppbv	100
30) Cyclohexane	3.862	84	119620	10.631	ppbv	99
31) cis-1,2-Dichloroethene	2.726	61	137431	9.676	ppbv	99
32) 1,1,1-Trichloroethane	3.373	97	193210	8.934	ppbv	99
34) 2-Butanone	2.557	43	233979	10.151	ppbv	99
35) Carbon Tetrachloride	3.768	117	192144	9.535	ppbv	97
36) Benzene	3.661	78	300420	10.235	ppbv	98
37) 1,2-Dichloroethane	3.224	62	149176	9.570	ppbv	100
38) Trichloroethene	4.554	130	116222	9.166	ppbv	94
39) 1,2-Dichloropropane	4.318	63	113591	9.923	ppbv	93
40) 1,4-Dioxane	4.590	88	46119	10.397	ppbv #	98
41) Tetrahydrofuran	3.056	42	128588	10.947	ppbv	99
42) Bromodichloromethane	4.493	83	226186	10.244	ppbv	93
43) Methyl Methacrylate	4.884	69	107852	11.426	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	534947	10.850	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	108517	10.952	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070825\
 Data File : VL042708.D
 Acq On : 08 Jul 2025 10:26
 Operator : SY/MD
 Sample : VL0708ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/09/2025
 Supervised By :Mahesh Dadoda 07/09/2025

Quant Time: Jul 09 01:26:31 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 01:50:16 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	144777	10.590	ppbv	96
47) 1,1,2-Trichloroethane	6.590	97	118108	10.476	ppbv	96
48) Dibromochloromethane	7.393	129	176934	10.249	ppbv	99
49) Bromoform	9.490	173	154624	10.370	ppbv	99
50) 4-Methyl-2-Pentanone	5.758	43	307423	11.390	ppbv	100
51) 2-Hexanone	7.441	43	238529	12.147	ppbv	99
52) Tetrachloroethene	8.234	164	96008	9.786	ppbv	97
53) Toluene	6.940	91	313640	11.444	ppbv	98
54) 1,2-Dibromoethane	7.658	107	162648	10.349	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.930	131	138596	10.056	ppbv	98
57) Chlorobenzene	8.927	112	251274	9.826	ppbv	100
58) Ethyl Benzene	9.361	91	430403	11.677	ppbv	98
59) m/p-Xylene	9.535	91	722184m	23.391	ppbv	
60) o-Xylene	9.969	91	355924	11.719	ppbv	98
61) Styrene	9.875	104	144023	12.071	ppbv	98
62) Isopropylbenzene	10.545	105	512927	11.189	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	240780	10.295	ppbv	100
64) n-propylbenzene	10.995	120	135992	11.587	ppbv	98
65) tert-Butylbenzene	11.536	119	448307	11.426	ppbv	100
66) Benzyl Chloride	11.620	91	44306	11.655	ppbv	99
67) sec-Butylbenzene	11.772	105	646802	10.760	ppbv	100
69) p-Isopropyltoluene	11.931	119	534171	11.165	ppbv	100
70) n-Butylbenzene	12.283	91	550575	11.423	ppbv	99
71) 2-Chlorotoluene	10.905	91	385926	11.380	ppbv	99
72) 4-Ethyltoluene	11.131	105	434964	11.737	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	360383	11.534	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	397819	11.161	ppbv	94
75) 1,3-Dichlorobenzene	11.613	146	252944	10.115	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	249253	10.502	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	244539	9.680	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	169821	8.631	ppbv	99
79) Naphthalene	13.517	128	363533	12.220	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	140667	11.384	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	186596	10.763	ppbv	99

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

