

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042864.D
 Acq On : 13 Aug 2025 22:39
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

Quant Time: Aug 14 02:23:43 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 14 2025

QLast Update : Thu Aug 14 02:12:54 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	124751	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	361886	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	316740	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.390 95 253011 10.651 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	166894	9.128	ppbv	98
3) Chlorodifluoromethane	1.479	51	190356	9.419	ppbv	99
4) Chloromethane	1.538	50	64415	8.731	ppbv	99
5) Vinyl Chloride	1.583	62	61149	8.415	ppbv	94
6) Bromomethane	1.674	94	24143	8.310	ppbv	96
7) Chloroethane	1.709	64	24275	8.555	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	136775	9.142	ppbv	96
9) Propene	1.486	41	25982	2.977	ppbv	94
10) Heptane	4.998	43	202828	8.677	ppbv	100
11) Trichlorofluoromethane	1.884	101	158026	8.760	ppbv	99
12) 1,1,2-Trichlorotrifluoro...	2.146	101	123853	8.614	ppbv	98
13) Ethanol	1.725	45	5850	7.331	ppbv	88
14) Bromoethene	1.787	108	46101	8.857	ppbv	99
15) Acetone	1.842	43	122464	7.421	ppbv	100
16) 1,3-Butadiene	1.612	39	60158	8.041	ppbv	99
17) tert-Butyl alcohol	2.046	59	149737	7.651	ppbv	99
18) 1,1-Dichloroethene	2.039	96	55998	8.859	ppbv	99
19) Isopropyl Alcohol	1.890	45	79487	8.064	ppbv	96
20) Methylene Chloride	2.068	84	47741	6.906	ppbv	91
21) Allyl Chloride	2.104	41	95867	8.223	ppbv	95
22) trans-1,2-Dichloroethene	2.347	96	62853	8.595	ppbv	93
23) Vinyl Acetate	2.470	43	202157	8.909	ppbv	99
24) 1,1-Dichloroethane	2.415	63	126829	8.684	ppbv	100
25) Ethyl Acetate	2.845	43	356744	8.932	ppbv	99
26) Hexane	2.836	57	167396	9.080	ppbv	98
27) Carbon Disulfide	2.156	76	151230	8.429	ppbv #	90
28) Methyl tert-Butyl Ether	2.447	73	80454	8.559	ppbv	91
29) Chloroform	2.858	83	253674	9.638	ppbv	99
30) Cyclohexane	3.871	84	142701	8.829	ppbv	99
31) cis-1,2-Dichloroethene	2.729	61	167868	9.116	ppbv	95
32) 1,1,1-Trichloroethane	3.379	97	259748	9.338	ppbv	98
34) 2-Butanone	2.567	43	233937	9.574	ppbv	99
35) Carbon Tetrachloride	3.777	117	250449	10.039	ppbv	97
36) Benzene	3.671	78	338836	9.778	ppbv	98
37) 1,2-Dichloroethane	3.230	62	196711	10.865	ppbv	99
38) Trichloroethene	4.564	130	148543	9.386	ppbv	96
39) 1,2-Dichloropropane	4.328	63	124520	9.839	ppbv	98
40) 1,4-Dioxane	4.603	88	52932	8.795	ppbv #	97
41) Tetrahydrofuran	3.065	42	129335	9.493	ppbv	99
42) Bromodichloromethane	4.506	83	276194	10.238	ppbv	98
43) Methyl Methacrylate	4.901	69	133193	9.330	ppbv	98
44) 2,2,4-Trimethylpentane	4.658	57	562365	9.561	ppbv	99
45) t-1,3-Dichloropropene	6.438	75	151624	9.411	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042864.D
 Acq On : 13 Aug 2025 22:39
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
 Supervised By :Mahesh Dadoda 08/18/2025

Quant Time: Aug 14 02:23:43 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 14 2025

QLast Update : Thu Aug 14 02:12:54 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	194664	9.697	ppbv	99
47) 1,1,2-Trichloroethane	6.603	97	133102	9.926	ppbv	96
48) Dibromochloromethane	7.406	129	216018	9.955	ppbv	99
49) Bromoform	9.500	173	172366	9.632	ppbv	99
50) 4-Methyl-2-Pentanone	5.774	43	318294	9.637	ppbv	100
51) 2-Hexanone	7.454	43	253519	9.754	ppbv #	97
52) Tetrachloroethene	8.244	164	106738	8.514	ppbv	90
53) Toluene	6.953	91	390060	9.468	ppbv	99
54) 1,2-Dibromoethane	7.671	107	193235	9.860	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.940	131	158906	9.702	ppbv	99
57) Chlorobenzene	8.937	112	290153	9.634	ppbv	98
58) Ethyl Benzene	9.370	91	544607	9.743	ppbv	99
59) m/p-Xylene	9.565	91	870097m	19.860	ppbv	
60) o-Xylene	9.979	91	433977	9.847	ppbv	99
61) Styrene	9.885	104	197351	9.558	ppbv	98
62) Isopropylbenzene	10.552	105	625694	9.715	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.979	83	234700	9.684	ppbv	99
64) n-propylbenzene	11.002	120	157395	9.578	ppbv	96
65) tert-Butylbenzene	11.542	119	533032	9.388	ppbv	95
66) Benzyl Chloride	11.626	91	52495	7.283	ppbv	98
67) sec-Butylbenzene	11.778	105	771711	9.683	ppbv	98
69) p-Isopropyltoluene	11.937	119	633258	9.255	ppbv	97
70) n-Butylbenzene	12.293	91	661296	9.745	ppbv	99
71) 2-Chlorotoluene	10.914	91	481312	9.624	ppbv	97
72) 4-Ethyltoluene	11.137	105	524389	9.815	ppbv	99
73) 1,3,5-Trimethylbenzene	11.215	105	434476	9.563	ppbv	99
74) 1,2,4-Trimethylbenzene	11.549	105	482283	9.671	ppbv	95
75) 1,3-Dichlorobenzene	11.620	146	270838	9.554	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	267746	9.339	ppbv	98
77) 1,2-Dichlorobenzene	11.960	146	257825	9.288	ppbv	98
78) Hexachloro-1,3-Butadiene	13.889	225	174005	7.648	ppbv	98
79) Naphthalene	13.523	128	428714	9.482	ppbv	98
80) Naphthalene,2-methyl-	14.468	142	128201	7.589	ppbv	98
81) 1,2,4-Trichlorobenzene	13.452	180	207593	9.136	ppbv	98

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

Manual Integrations APPROVED

Quant Time: Aug 14 02:23:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

