

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041870.D
 Acq On : 09 Jan 2025 17:32
 Operator : SY/MD
 Sample : VL0109ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0109ABS01

Quant Time: Jan 10 01:42:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

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

QLast Update : Fri Jan 10 00:31:30 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

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

Internal Standards						
1) Bromochloromethane	2.803	49	122543	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	372014	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	340087	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 274569 10.069 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	214765	10.675	ppbv	99
3) Chlorodifluoromethane	1.483	51	219609	9.938	ppbv	98
4) Chloromethane	1.538	50	79635	10.183	ppbv	99
5) Vinyl Chloride	1.586	62	78642	9.456	ppbv	99
6) Bromomethane	1.674	94	37722	9.624	ppbv	98
7) Chloroethane	1.713	64	32686	10.139	ppbv	100
8) Dichlorotetrafluoroethane	1.560	85	180586	10.325	ppbv	98
9) Propene	1.489	41	97956	9.500	ppbv	100
10) Heptane	5.007	43	265739	9.773	ppbv	99
11) Trichlorofluoromethane	1.887	101	218631	10.573	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.149	101	176361	10.543	ppbv	96
13) Ethanol	1.729	45	6453	9.854	ppbv	95
14) Bromoethene	1.790	108	62928	10.509	ppbv	98
15) Acetone	1.842	43	174247	8.431	ppbv	97
16) 1,3-Butadiene	1.615	39	81413	9.171	ppbv	95
17) tert-Butyl alcohol	2.049	59	244537	10.428	ppbv	98
18) 1,1-Dichloroethene	2.043	96	78665	10.392	ppbv	99
19) Isopropyl Alcohol	1.894	45	102969	9.479	ppbv	99
20) Methylene Chloride	2.072	84	66435	9.423	ppbv	95
21) Allyl Chloride	2.107	41	132275	10.002	ppbv	98
22) trans-1,2-Dichloroethene	2.353	96	87608	9.995	ppbv	98
23) Vinyl Acetate	2.476	43	97489	9.309	ppbv #	98
24) 1,1-Dichloroethane	2.421	63	172510	10.392	ppbv #	98
25) Ethyl Acetate	2.852	43	523764	10.198	ppbv	99
26) Hexane	2.842	57	210453	9.961	ppbv	99
27) Carbon Disulfide	2.162	76	208581	10.307	ppbv	99
28) Methyl tert-Butyl Ether	2.454	73	131707	8.169	ppbv	98
29) Chloroform	2.865	83	302447	10.231	ppbv	96
30) Cyclohexane	3.878	84	180360	9.941	ppbv	98
31) cis-1,2-Dichloroethene	2.735	61	208408	10.094	ppbv	97
32) 1,1,1-Trichloroethane	3.386	97	305295	10.396	ppbv	99
34) 2-Butanone	2.570	43	301434	9.747	ppbv	99
35) Carbon Tetrachloride	3.784	117	300238	10.385	ppbv	98
36) Benzene	3.677	78	433563	10.046	ppbv	98
37) 1,2-Dichloroethane	3.237	62	233267	10.302	ppbv	100
38) Trichloroethene	4.574	130	174343m	10.231	ppbv	
39) 1,2-Dichloropropane	4.337	63	152646	9.943	ppbv	97
40) 1,4-Dioxane	4.613	88	69319	8.979	ppbv #	87
41) Tetrahydrofuran	3.072	42	169639	9.340	ppbv	96
42) Bromodichloromethane	4.515	83	324422	10.429	ppbv	99
43) Methyl Methacrylate	4.907	69	175507	9.930	ppbv	99
44) 2,2,4-Trimethylpentane	4.668	57	725640	9.954	ppbv	99
45) t-1,3-Dichloropropene	6.444	75	175855	9.722	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041870.D
 Acq On : 09 Jan 2025 17:32
 Operator : SY/MD
 Sample : VL0109ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0109ABS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 10 01:42:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Fri Jan 10 00:31:30 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	224860	9.688	ppbv	99
47) 1,1,2-Trichloroethane	6.616	97	161735	10.013	ppbv	98
48) Dibromochloromethane	7.412	129	261021	10.656	ppbv	98
49) Bromoform	9.503	173	224507	10.502	ppbv	100
50) 4-Methyl-2-Pentanone	5.784	43	429608	9.735	ppbv	100
51) 2-Hexanone	7.464	43	348688	9.606	ppbv	100
52) Tetrachloroethene	8.247	164	147986	8.949	ppbv	97
53) Toluene	6.962	91	508818	9.913	ppbv	100
54) 1,2-Dibromoethane	7.678	107	222055	10.109	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.946	131	204382	10.083	ppbv	99
57) Chlorobenzene	8.943	112	374449	9.875	ppbv	98
58) Ethyl Benzene	9.374	91	697634	9.977	ppbv	98
59) m/p-Xylene	9.571	91	1094652m	19.809	ppbv	
60) o-Xylene	9.982	91	542913	9.850	ppbv	100
61) Styrene	9.888	104	270452	9.826	ppbv	99
62) Isopropylbenzene	10.558	105	823744	9.926	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.982	83	320068	9.668	ppbv	99
64) n-propylbenzene	11.005	120	210154	9.719	ppbv	97
65) tert-Butylbenzene	11.549	119	733119	9.761	ppbv	99
66) Benzyl Chloride	11.633	91	59367	7.631	ppbv	99
67) sec-Butylbenzene	11.785	105	997840	9.642	ppbv	99
69) p-Isopropyltoluene	11.944	119	845742	9.577	ppbv	99
70) n-Butylbenzene	12.296	91	833307	9.402	ppbv	99
71) 2-Chlorotoluene	10.918	91	615640	9.582	ppbv	99
72) 4-Ethyltoluene	11.141	105	656224	9.710	ppbv	99
73) 1,3,5-Trimethylbenzene	11.222	105	562687	9.807	ppbv	99
74) 1,2,4-Trimethylbenzene	11.552	105	586850	9.416	ppbv #	84
75) 1,3-Dichlorobenzene	11.623	146	344200	9.212	ppbv	100
76) 1,4-Dichlorobenzene	11.688	146	343950	9.299	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	328031	9.288	ppbv	99
78) Hexachloro-1,3-Butadiene	13.898	225	243823	8.032	ppbv	99
79) Naphthalene	13.529	128	523668	7.800	ppbv	98
80) Naphthalene,2-methyl-	14.475	142	200530	5.538	ppbv	99
81) 1,2,4-Trichlorobenzene	13.458	180	254295	7.954	ppbv	99

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

