

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031725\
 Data File : VL042150.D
 Acq On : 17 Mar 2025 09:55
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/18/2025
 Supervised By : Mahesh Dadoda 03/18/2025

Quant Time: Mar 18 01:21:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

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

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	167493	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	395790	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	337104	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 286841 11.060 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 110.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	184928	10.618	ppbv	98
3) Chlorodifluoromethane	1.480	51	220495	9.058	ppbv	99
4) Chloromethane	1.538	50	72484	11.254	ppbv	100
5) Vinyl Chloride	1.583	62	68484	11.241	ppbv	96
6) Bromomethane	1.674	94	32623	11.245	ppbv	98
7) Chloroethane	1.709	64	26650	10.766	ppbv	99
8) Dichlorotetrafluoroethane	1.560	85	159560	11.144	ppbv	98
9) Propene	1.489	41	87298	8.803	ppbv	98
10) Heptane	5.001	43	250907	8.126	ppbv	100
11) Trichlorofluoromethane	1.884	101	201429	11.542	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.146	101	143413	10.302	ppbv	97
13) Ethanol	1.729	45	6795	10.794	ppbv	93
14) Bromoethene	1.787	108	53205	10.823	ppbv	98
15) Acetone	1.842	43	154356	10.436	ppbv	98
16) 1,3-Butadiene	1.615	39	73169	10.630	ppbv	98
17) tert-Butyl alcohol	2.049	59	169215	9.144	ppbv	99
18) 1,1-Dichloroethene	2.043	96	64914	10.320	ppbv	99
19) Isopropyl Alcohol	1.894	45	85293	10.039	ppbv #	36
20) Methylene Chloride	2.069	84	66711	11.923	ppbv	96
21) Allyl Chloride	2.104	41	105215	9.845	ppbv	98
22) trans-1,2-Dichloroethene	2.350	96	70772	9.652	ppbv	98
23) Vinyl Acetate	2.473	43	85199	8.192	ppbv #	96
24) 1,1-Dichloroethane	2.418	63	143507	10.518	ppbv	99
25) Ethyl Acetate	2.849	43	522573	8.826	ppbv	99
26) Hexane	2.839	57	215056	8.985	ppbv	97
27) Carbon Disulfide	2.159	76	168859	10.407	ppbv	99
28) Methyl tert-Butyl Ether	2.454	73	106277	8.918	ppbv	97
29) Chloroform	2.862	83	281634	8.743	ppbv	99
30) Cyclohexane	3.875	84	154902	7.973	ppbv	97
31) cis-1,2-Dichloroethene	2.732	61	175545	7.747	ppbv	98
32) 1,1,1-Trichloroethane	3.383	97	255298	8.170	ppbv	96
34) 2-Butanone	2.570	43	280367	9.093	ppbv	97
35) Carbon Tetrachloride	3.781	117	267761	9.811	ppbv	96
36) Benzene	3.674	78	370323	8.938	ppbv	98
37) 1,2-Dichloroethane	3.234	62	208967	9.097	ppbv	99
38) Trichloroethene	4.574	130	139636	8.253	ppbv	98
39) 1,2-Dichloropropane	4.334	63	139773	8.888	ppbv	99
40) 1,4-Dioxane	4.609	88	64556	8.992	ppbv #	99
41) Tetrahydrofuran	3.069	42	158186	8.682	ppbv	97
42) Bromodichloromethane	4.512	83	280274	9.055	ppbv	100
43) Methyl Methacrylate	4.904	69	130801	8.084	ppbv	98
44) 2,2,4-Trimethylpentane	4.661	57	671554	9.184	ppbv	98
45) t-1,3-Dichloropropene	6.441	75	115280	7.171	ppbv	95

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

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.626	75	165501	7.956	ppbv	96
47) 1,1,2-Trichloroethane	6.610	97	145150	9.091	ppbv	96
48) Dibromochloromethane	7.409	129	224553	8.980	ppbv	98
49) Bromoform	9.500	173	200168	9.218	ppbv	97
50) 4-Methyl-2-Pentanone	5.784	43	373666	9.370	ppbv	96
51) 2-Hexanone	7.461	43	295520	10.767	ppbv #	95
52) Tetrachloroethene	8.247	164	118316	8.341	ppbv	93
53) Toluene	6.959	91	381354	8.235	ppbv	99
54) 1,2-Dibromoethane	7.678	107	185862	8.611	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.943	131	184992	9.709	ppbv	99
57) Chlorobenzene	8.940	112	331509	9.485	ppbv	98
58) Ethyl Benzene	9.374	91	534526	8.610	ppbv	96
59) m/p-Xylene	9.571	91	917985m	18.581	ppbv	
60) o-Xylene	9.979	91	462522	9.313	ppbv	99
61) Styrene	9.888	104	197855	8.473	ppbv	97
62) Isopropylbenzene	10.555	105	683249	9.185	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.982	83	329971	10.088	ppbv	99
64) n-propylbenzene	11.005	120	188690	9.671	ppbv	98
65) tert-Butylbenzene	11.546	119	630108	9.308	ppbv	98
66) Benzyl Chloride	11.626	91	45119	8.734	ppbv #	98
67) sec-Butylbenzene	11.782	105	911015	9.410	ppbv	99
69) p-Isopropyltoluene	11.940	119	729864	9.476	ppbv	98
70) n-Butylbenzene	12.293	91	749368	9.531	ppbv	99
71) 2-Chlorotoluene	10.918	91	510373	8.901	ppbv	99
72) 4-Ethyltoluene	11.141	105	565254	9.321	ppbv	99
73) 1,3,5-Trimethylbenzene	11.219	105	475661	9.043	ppbv	100
74) 1,2,4-Trimethylbenzene	11.552	105	555462	9.378	ppbv	94
75) 1,3-Dichlorobenzene	11.623	146	328628	9.640	ppbv	97
76) 1,4-Dichlorobenzene	11.685	146	317775	9.389	ppbv	99
77) 1,2-Dichlorobenzene	11.960	146	322801	9.758	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	225792	8.772	ppbv	99
79) Naphthalene	13.526	128	468885	11.545	ppbv	99
80) Naphthalene,2-methyl-	14.471	142	135870	12.224	ppbv	99
81) 1,2,4-Trichlorobenzene	13.452	180	210617	9.305	ppbv	97

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

Manual Integrations

Quant Time: Mar 18 01:21:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL02252SAIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

