

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022725\
 Data File : VL042073.D
 Acq On : 27 Feb 2025 14:51
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 00:27:36 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	2.810	49	161535	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.991	114	377599	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.911	117	334402	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.403 95 266926 10.375 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	183243	10.909	ppbv	98
3) Chlorodifluoromethane	1.483	51	235459	10.029	ppbv	99
4) Chloromethane	1.541	50	62102	9.997	ppbv	97
5) Vinyl Chloride	1.589	62	59587	10.141	ppbv	96
6) Bromomethane	1.677	94	29656	10.600	ppbv	100
7) Chloroethane	1.716	64	23556	9.867	ppbv	97
8) Dichlorotetrafluoroethane	1.563	85	143698	10.406	ppbv	99
9) Propene	1.492	41	95834	10.020	ppbv	99
10) Heptane	5.020	43	289245	9.713	ppbv	96
11) Trichlorofluoromethane	1.890	101	178395	10.599	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.152	101	129319	9.632	ppbv	97
13) Ethanol	1.732	45	3035	4.999	ppbv	96
14) Bromoethene	1.793	108	48569	10.244	ppbv	98
15) Acetone	1.848	43	137688	9.652	ppbv	100
16) 1,3-Butadiene	1.618	39	67929	10.232	ppbv	98
17) tert-Butyl alcohol	2.055	59	160163	8.974	ppbv	98
18) 1,1-Dichloroethene	2.049	96	56042	9.238	ppbv	99
19) Isopropyl Alcohol	1.900	45	77783	9.492	ppbv	97
20) Methylene Chloride	2.075	84	48287	8.949	ppbv	97
21) Allyl Chloride	2.110	41	97699	9.479	ppbv	99
22) trans-1,2-Dichloroethene	2.356	96	70300	9.941	ppbv	99
23) Vinyl Acetate	2.483	43	76793	7.656	ppbv #	97
24) 1,1-Dichloroethane	2.424	63	134301	10.206	ppbv	99
25) Ethyl Acetate	2.858	43	574129	10.055	ppbv	99
26) Hexane	2.848	57	215073	9.317	ppbv	92
27) Carbon Disulfide	2.165	76	153903	9.835	ppbv	100
28) Methyl tert-Butyl Ether	2.460	73	93767	8.159	ppbv	99
29) Chloroform	2.871	83	287951	9.268	ppbv	97
30) Cyclohexane	3.887	84	171166	9.135	ppbv	94
31) cis-1,2-Dichloroethene	2.742	61	208889	9.559	ppbv	95
32) 1,1,1-Trichloroethane	3.395	97	274111	9.095	ppbv	95
34) 2-Butanone	2.576	43	336544	11.440	ppbv	94
35) Carbon Tetrachloride	3.793	117	277265	10.648	ppbv	99
36) Benzene	3.687	78	409244	10.353	ppbv	98
37) 1,2-Dichloroethane	3.243	62	237098	10.818	ppbv	98
38) Trichloroethene	4.586	130	153141	9.488	ppbv	98
39) 1,2-Dichloropropane	4.350	63	156567	10.435	ppbv	98
40) 1,4-Dioxane	4.622	88	65965	9.631	ppbv #	93
41) Tetrahydrofuran	3.081	42	189930	10.927	ppbv	96
42) Bromodichloromethane	4.531	83	304658	10.317	ppbv	97
43) Methyl Methacrylate	4.920	69	161634	10.470	ppbv	93
44) 2,2,4-Trimethylpentane	4.680	57	731956	10.492	ppbv	98
45) t-1,3-Dichloropropene	6.464	75	150622	9.821	ppbv	94

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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Quant Time: Feb 28 00:27:36 2025

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Quant Title : AIR ANALYSIS BY METHOD T0-15 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	5.648	75	203869	10.272	ppbv	95
47) 1,1,2-Trichloroethane	6.629	97	154223	10.125	ppbv	95
48) Dibromochloromethane	7.428	129	242837	10.179	ppbv	99
49) Bromoform	9.513	173	212334	10.249	ppbv	99
50) 4-Methyl-2-Pentanone	5.803	43	461454	12.129	ppbv	97
51) 2-Hexanone	7.474	43	369555	14.113	ppbv #	99
52) Tetrachloroethene	8.260	164	134613	9.948	ppbv	92
53) Toluene	6.975	91	439890	9.957	ppbv	100
54) 1,2-Dibromoethane	7.694	107	206708	10.038	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.956	131	189730	10.038	ppbv	98
57) Chlorobenzene	8.953	112	346331	9.989	ppbv	100
58) Ethyl Benzene	9.386	91	622721	10.112	ppbv	99
59) m/p-Xylene	9.581	91	1016003m	20.731	ppbv	
60) o-Xylene	9.995	91	505664	10.263	ppbv	99
61) Styrene	9.901	104	249734	10.781	ppbv	98
62) Isopropylbenzene	10.565	105	752546	10.199	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.992	83	329172	10.145	ppbv	99
64) n-propylbenzene	11.014	120	198007	10.231	ppbv	96
65) tert-Butylbenzene	11.555	119	672664	10.017	ppbv	100
66) Benzyl Chloride	11.639	91	43894	8.566	ppbv	97
67) sec-Butylbenzene	11.791	105	967909	10.078	ppbv	99
69) p-Isopropyltoluene	11.947	119	793785	10.389	ppbv	100
70) n-Butylbenzene	12.303	91	830637	10.650	ppbv	99
71) 2-Chlorotoluene	10.927	91	574014	10.091	ppbv	100
72) 4-Ethyltoluene	11.150	105	620874	10.321	ppbv	99
73) 1,3,5-Trimethylbenzene	11.228	105	523892	10.040	ppbv	99
74) 1,2,4-Trimethylbenzene	11.561	105	578142	9.839	ppbv	95
75) 1,3-Dichlorobenzene	11.633	146	339518	10.040	ppbv	100
76) 1,4-Dichlorobenzene	11.697	146	340610	10.145	ppbv	99
77) 1,2-Dichlorobenzene	11.969	146	332526	10.133	ppbv	99
78) Hexachloro-1,3-Butadiene	13.902	225	232369	9.100	ppbv	98
79) Naphthalene	13.536	128	529861	13.151	ppbv	100
80) Naphthalene,2-methyl-	14.481	142	185542	16.828	ppbv	98
81) 1,2,4-Trichlorobenzene	13.461	180	240157	10.696	ppbv	98

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

