

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022125\
 Data File : VL042039.D
 Acq On : 21 Feb 2025 14:07
 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 02/24/2025
 Supervised By :Mahesh Dadoda 02/24/2025

Quant Time: Feb 21 21:53:27 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M

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

QLast Update : Tue Feb 18 00:13:37 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	107319	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.959	114	270011	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.885	117	239019	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 205896 10.443 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	168793	9.136	ppbv	93
3) Chlorodifluoromethane	1.476	51	236947	11.601	ppbv	99
4) Chloromethane	1.534	50	65457	9.117	ppbv	99
5) Vinyl Chloride	1.580	62	61896	7.210	ppbv	99
6) Bromomethane	1.667	94	28423	8.541	ppbv	98
7) Chloroethane	1.706	64	25659	9.171	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	141682	8.718	ppbv	98
9) Propene	1.482	41	92288	10.481	ppbv	96
10) Heptane	4.985	43	280764	11.482	ppbv	98
11) Trichlorofluoromethane	1.877	101	168376	9.056	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.140	101	129761	8.950	ppbv	99
13) Ethanol	1.722	45	4903	4.937	ppbv	89
14) Bromoethene	1.784	108	46857	8.654	ppbv	97
15) Acetone	1.835	43	141344	7.979	ppbv	96
16) 1,3-Butadiene	1.609	39	69355	8.253	ppbv	99
17) tert-Butyl alcohol	2.042	59	176926	8.072	ppbv	97
18) 1,1-Dichloroethene	2.036	96	55729	8.043	ppbv	99
19) Isopropyl Alcohol	1.887	45	79049	7.958	ppbv	97
20) Methylene Chloride	2.062	84	51525	7.727	ppbv	97
21) Allyl Chloride	2.097	41	103960	8.106	ppbv	98
22) trans-1,2-Dichloroethene	2.340	96	66737	8.876	ppbv	96
23) Vinyl Acetate	2.463	43	141769	14.780	ppbv	98
24) 1,1-Dichloroethane	2.411	63	135757	8.893	ppbv	99
25) Ethyl Acetate	2.839	43	568377	11.691	ppbv	99
26) Hexane	2.829	57	237219	12.158	ppbv	95
27) Carbon Disulfide	2.149	76	169781	9.252	ppbv	97
28) Methyl tert-Butyl Ether	2.441	73	113493	9.516	ppbv	99
29) Chloroform	2.852	83	307000	10.864	ppbv	97
30) Cyclohexane	3.858	84	185648	11.730	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	221584	11.491	ppbv	95
32) 1,1,1-Trichloroethane	3.369	97	310707	9.914	ppbv	98
34) 2-Butanone	2.560	43	324492	13.969	ppbv	99
35) Carbon Tetrachloride	3.764	117	296092	11.293	ppbv	99
36) Benzene	3.658	78	436094	13.333	ppbv	99
37) 1,2-Dichloroethane	3.221	62	250762	13.468	ppbv	99
38) Trichloroethene	4.548	130	153529	11.554	ppbv	89
39) 1,2-Dichloropropane	4.318	63	162135	13.521	ppbv	95
40) 1,4-Dioxane	4.586	88	73465	11.774	ppbv #	94
41) Tetrahydrofuran	3.059	42	191348	14.413	ppbv	96
42) Bromodichloromethane	4.493	83	337106	13.364	ppbv	94
43) Methyl Methacrylate	4.884	69	179871	12.064	ppbv	95
44) 2,2,4-Trimethylpentane	4.641	57	760401	13.695	ppbv	98
45) t-1,3-Dichloropropene	6.422	75	186371	13.241	ppbv	95

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

QLast Update : Tue Feb 18 00:13:37 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	238360	13.347	ppbv	96
47) 1,1,2-Trichloroethane	6.587	97	161278	12.780	ppbv	95
48) Dibromochloromethane	7.389	129	256951	12.157	ppbv	99
49) Bromoform	9.487	173	205542	11.856	ppbv	98
50) 4-Methyl-2-Pentanone	5.755	43	460781	12.906	ppbv	100
51) 2-Hexanone	7.441	43	376032	12.878	ppbv #	99
52) Tetrachloroethene	8.228	164	129787	11.377	ppbv	98
53) Toluene	6.936	91	494594	12.690	ppbv	100
54) 1,2-Dibromoethane	7.655	107	219203	12.616	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.927	131	195165	11.408	ppbv	97
57) Chlorobenzene	8.924	112	347903	12.373	ppbv	94
58) Ethyl Benzene	9.357	91	681298	13.024	ppbv	99
59) m/p-Xylene	9.555	91	1073685m	26.058	ppbv	
60) o-Xylene	9.966	91	524229	12.580	ppbv	99
61) Styrene	9.872	104	256970	12.932	ppbv	97
62) Isopropylbenzene	10.542	105	777313	12.425	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	338130	12.577	ppbv	99
64) n-propylbenzene	10.992	120	190915	12.419	ppbv	93
65) tert-Butylbenzene	11.536	119	657527	12.056	ppbv	97
66) Benzyl Chloride	11.620	91	65030	11.895	ppbv	98
67) sec-Butylbenzene	11.772	105	962715	12.566	ppbv	99
69) p-Isopropyltoluene	11.927	119	763997	12.183	ppbv	98
70) n-Butylbenzene	12.283	91	825349	13.361	ppbv	99
71) 2-Chlorotoluene	10.904	91	610815	12.964	ppbv	98
72) 4-Ethyltoluene	11.128	105	631669	12.938	ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	536429	12.737	ppbv	97
74) 1,2,4-Trimethylbenzene	11.539	105	567986	12.566	ppbv #	89
75) 1,3-Dichlorobenzene	11.610	146	307630	12.644	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	306295	12.909	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	298742	12.845	ppbv	98
78) Hexachloro-1,3-Butadiene	13.885	225	198295	10.306	ppbv	99
79) Naphthalene	13.516	128	515768	11.601	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	230760	11.464	ppbv	97
81) 1,2,4-Trichlorobenzene	13.442	180	214996	11.896	ppbv	99

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

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