

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
 Data File : VL042041.D
 Acq On : 25 Feb 2025 08:56
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
 Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Feb 25 10:10:59 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.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	2.800	49	161135	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	422655	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	374249	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.393	95	285943	9.263	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	152005	5.480	ppbv	99
3) Chlorodifluoromethane	1.479	51	211185	6.887	ppbv	96
4) Chloromethane	1.538	50	55364	5.136	ppbv	98
5) Vinyl Chloride	1.586	62	54228	4.207	ppbv	98
6) Bromomethane	1.674	94	25846	5.173	ppbv	90
7) Chloroethane	1.709	64	21717	5.169	ppbv	96
8) Dichlorotetrafluoroethane	1.560	85	125595	5.147	ppbv	94
9) Propene	1.489	41	84038	6.357	ppbv	97
10) Heptane	5.007	43	267860	7.296	ppbv	97
11) Trichlorofluoromethane	1.884	101	152112	5.449	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.146	101	112374	5.162	ppbv	93
13) Ethanol	1.729	45	3178	2.131	ppbv	85
14) Bromoethene	1.787	108	42461	5.223	ppbv	99
15) Acetone	1.842	43	115085	4.327	ppbv	95
16) 1,3-Butadiene	1.615	39	57707	4.574	ppbv	100
17) tert-Butyl alcohol	2.049	59	153073	4.651	ppbv	100
18) 1,1-Dichloroethene	2.043	96	51534	4.954	ppbv	95
19) Isopropyl Alcohol	1.894	45	67445	4.522	ppbv	98
20) Methylene Chloride	2.069	84	41998	4.195	ppbv	94
21) Allyl Chloride	2.104	41	86723	4.504	ppbv	99
22) trans-1,2-Dichloroethene	2.350	96	57617	5.104	ppbv	96
23) Vinyl Acetate	2.473	43	83866	5.823	ppbv	98
24) 1,1-Dichloroethane	2.418	63	107817	4.704	ppbv	100
25) Ethyl Acetate	2.852	43	511505	7.007	ppbv	99
26) Hexane	2.839	57	206577	7.052	ppbv	98
27) Carbon Disulfide	2.159	76	137978	5.008	ppbv	97
28) Methyl tert-Butyl Ether	2.450	73	84091	4.696	ppbv	98
29) Chloroform	2.862	83	277411	6.538	ppbv	96
30) Cyclohexane	3.875	84	173351	7.295	ppbv	98
31) cis-1,2-Dichloroethene	2.732	61	199354	6.886	ppbv	98
32) 1,1,1-Trichloroethane	3.383	97	285335	6.064	ppbv	98
34) 2-Butanone	2.570	43	292449	8.043	ppbv	100
35) Carbon Tetrachloride	3.781	117	276677	6.741	ppbv	97
36) Benzene	3.674	78	409501	7.999	ppbv	98
37) 1,2-Dichloroethane	3.234	62	219829	7.543	ppbv	100
38) Trichloroethene	4.570	130	159933	7.689	ppbv	93
39) 1,2-Dichloropropane	4.337	63	151036	8.047	ppbv	99
40) 1,4-Dioxane	4.609	88	69399	7.105	ppbv #	76
41) Tetrahydrofuran	3.072	42	176830	8.509	ppbv	95
42) Bromodichloromethane	4.512	83	312250	7.908	ppbv	97
43) Methyl Methacrylate	4.907	69	165494	7.091	ppbv	97
44) 2,2,4-Trimethylpentane	4.661	57	705920	8.122	ppbv	97
45) t-1,3-Dichloropropene	6.444	75	166207	7.544	ppbv	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.629	75	218294	7.809	ppbv	99
47) 1,1,2-Trichloroethane	6.610	97	152556	7.723	ppbv	97
48) Dibromochloromethane	7.412	129	251213	7.593	ppbv	99
49) Bromoform	9.503	173	222057	8.183	ppbv	98
50) 4-Methyl-2-Pentanone	5.787	43	428434	7.666	ppbv	100
51) 2-Hexanone	7.464	43	352331	7.709	ppbv #	96
52) Tetrachloroethene	8.244	164	138263	7.743	ppbv	94
53) Toluene	6.959	91	460041	7.541	ppbv	97
54) 1,2-Dibromoethane	7.678	107	211395	7.772	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.943	131	188811	7.049	ppbv	97
57) Chlorobenzene	8.940	112	340525	7.735	ppbv	97
58) Ethyl Benzene	9.374	91	633939	7.739	ppbv	98
59) m/p-Xylene	9.552	91	995259m	15.427	ppbv	
60) o-Xylene	9.982	91	493069	7.557	ppbv	97
61) Styrene	9.888	104	246161	7.912	ppbv	98
62) Isopropylbenzene	10.555	105	736884	7.522	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.979	83	317313	7.538	ppbv	100
64) n-propylbenzene	11.005	120	196044	8.145	ppbv	90
65) tert-Butylbenzene	11.545	119	648698	7.596	ppbv	97
66) Benzyl Chloride	11.630	91	57345	6.699	ppbv #	97
67) sec-Butylbenzene	11.782	105	928863	7.744	ppbv	99
69) p-Isopropyltoluene	11.940	119	756264	7.702	ppbv	98
70) n-Butylbenzene	12.296	91	774646	8.009	ppbv	99
71) 2-Chlorotoluene	10.918	91	566619	7.681	ppbv	97
72) 4-Ethyltoluene	11.141	105	606538	7.934	ppbv	98
73) 1,3,5-Trimethylbenzene	11.219	105	516875	7.838	ppbv	100
74) 1,2,4-Trimethylbenzene	11.552	105	550412	7.777	ppbv	98
75) 1,3-Dichlorobenzene	11.623	146	325160	8.535	ppbv	97
76) 1,4-Dichlorobenzene	11.685	146	322404	8.678	ppbv	97
77) 1,2-Dichlorobenzene	11.963	146	312942	8.593	ppbv	96
78) Hexachloro-1,3-Butadiene	13.895	225	238217	7.907	ppbv	100
79) Naphthalene	13.526	128	513192	7.372	ppbv	99
80) Naphthalene,2-methyl-	14.471	142	210405	6.676	ppbv	95
81) 1,2,4-Trichlorobenzene	13.455	180	241031	8.517	ppbv	99

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

