

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
 Data File : VL041841.D
 Acq On : 07 Jan 2025 10:52
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/09/2025
 Supervised By : Mahesh Dadoda 01/09/2025

Quant Time: Jan 08 01:21:59 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M

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

QLast Update : Wed Jan 08 01:18:22 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	90228	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	210692	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	175693	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.390	95	149231	9.917	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	8282	0.559	ppbv	99
3) Chlorodifluoromethane	1.479	51	7858	0.555	ppbv	97
4) Chloromethane	1.538	50	3343	0.549	ppbv	92
5) Vinyl Chloride	1.583	62	3086	0.503	ppbv	90
6) Bromomethane	1.673	94	1453	0.552	ppbv	96
7) Chloroethane	1.709	64	1413	0.598	ppbv	93
8) Dichlorotetrafluoroethane	1.560	85	6936	0.543	ppbv	99
9) Propene	1.489	41	2570	0.522	ppbv	87
10) Heptane	5.004	43	4633m	0.381	ppbv	
11) Trichlorofluoromethane	1.884	101	8242	0.547	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.146	101	6155	0.549	ppbv	96
13) Ethanol	1.725	45	662	1.169	ppbv	95
14) Bromoethene	1.787	108	1897	0.517	ppbv #	84
15) Acetone	1.842	43	10484	0.631	ppbv	97
16) 1,3-Butadiene	1.615	39	3795	0.583	ppbv	86
17) tert-Butyl alcohol	2.052	59	7735	0.537	ppbv	98
18) 1,1-Dichloroethene	2.042	96	2555	0.544	ppbv	92
19) Isopropyl Alcohol	1.894	45	5026	0.645	ppbv #	95
20) Methylene Chloride	2.068	84	3053	0.643	ppbv	92
21) Allyl Chloride	2.104	41	4272	0.499	ppbv	86
22) trans-1,2-Dichloroethene	2.350	96	2791	0.532	ppbv #	79
23) Vinyl Acetate	2.470	43	2406m	0.452	ppbv	
24) 1,1-Dichloroethane	2.418	63	6246	0.544	ppbv	96
25) Ethyl Acetate	2.852	43	12851	0.461	ppbv	97
26) Hexane	2.835	57	4350	0.450	ppbv	86
27) Carbon Disulfide	2.159	76	4312	0.470	ppbv #	1
28) Methyl tert-Butyl Ether	2.450	73	4116	0.565	ppbv	91
29) Chloroform	2.858	83	9887	0.550	ppbv	92
30) Cyclohexane	3.871	84	3038m	0.414	ppbv	
31) cis-1,2-Dichloroethene	2.729	61	4773	0.480	ppbv	94
32) 1,1,1-Trichloroethane	3.382	97	8151	0.501	ppbv	97
34) 2-Butanone	2.570	43	8647	0.521	ppbv	97
35) Carbon Tetrachloride	3.784	117	7956	0.500	ppbv	88
36) Benzene	3.674	78	9795	0.487	ppbv	95
37) 1,2-Dichloroethane	3.230	62	6918	0.523	ppbv #	95
38) Trichloroethene	4.570	130	3763	0.477	ppbv #	85
39) 1,2-Dichloropropane	4.331	63	4076	0.524	ppbv	97
40) 1,4-Dioxane	4.629	88	1225m	0.406	ppbv	
41) Tetrahydrofuran	3.075	42	3545m	0.453	ppbv	
42) Bromodichloromethane	4.512	83	7678m	0.495	ppbv	
43) Methyl Methacrylate	4.900	69	2537m	0.401	ppbv	
44) 2,2,4-Trimethylpentane	4.661	57	13710	0.413	ppbv #	89
45) t-1,3-Dichloropropene	6.438	75	2941m	0.477	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.629	75	3526m	0.434	ppbv	
47) 1,1,2-Trichloroethane	6.606	97	4392m	0.533	ppbv	
48) Dibromochloromethane	7.409	129	4575m	0.436	ppbv	
49) Bromoform	9.496	173	3639	0.433	ppbv	99
50) 4-Methyl-2-Pentanone	5.797	43	7670m	0.400	ppbv	
51) 2-Hexanone	7.467	43	5557m	0.383	ppbv	
52) Tetrachloroethene	8.244	164	3227m	0.541	ppbv	
53) Toluene	6.962	91	6897m	0.385	ppbv	
54) 1,2-Dibromoethane	7.681	107	4885m	0.484	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.940	131	5115	0.511	ppbv #	1
57) Chlorobenzene	8.940	112	9721m	0.530	ppbv	
58) Ethyl Benzene	9.373	91	8814	0.368	ppbv	93
59) m/p-Xylene	9.568	91	14012m	0.663	ppbv	
60) o-Xylene	9.979	91	6551	0.319	ppbv	100
61) Styrene	9.885	104	2777	0.348	ppbv	98
62) Isopropylbenzene	10.552	105	12528	0.388	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.979	83	8924	0.495	ppbv	97
64) n-propylbenzene	10.998	120	2721m	0.328	ppbv	
65) tert-Butylbenzene	11.542	119	9315	0.320	ppbv	100
66) Benzyl Chloride	11.633	91	1242	0.511	ppbv #	91
67) sec-Butylbenzene	11.782	105	14329	0.337	ppbv	100
69) p-Isopropyltoluene	11.940	119	10167	0.305	ppbv	94
70) n-Butylbenzene	12.293	91	10226	0.305	ppbv	98
71) 2-Chlorotoluene	10.914	91	8114	0.346	ppbv	98
72) 4-Ethyltoluene	11.137	105	8065	0.324	ppbv #	97
73) 1,3,5-Trimethylbenzene	11.215	105	7174	0.329	ppbv	89
74) 1,2,4-Trimethylbenzene	11.548	105	7816	0.310	ppbv #	87
75) 1,3-Dichlorobenzene	11.620	146	7704	0.456	ppbv	98
76) 1,4-Dichlorobenzene	11.684	146	7404	0.456	ppbv	99
77) 1,2-Dichlorobenzene	11.960	146	8725	0.496	ppbv	98
78) Hexachloro-1,3-Butadiene	13.895	225	6344	0.508	ppbv	95
79) Naphthalene	13.529	128	6035	0.325	ppbv #	93
80) Naphthalene,2-methyl-	14.471	142	2415	0.351	ppbv	98
81) 1,2,4-Trichlorobenzene	13.455	180	4239	0.412	ppbv	99

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

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