

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
 Data File : VL041839.D
 Acq On : 07 Jan 2025 09:51
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

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

Quant Time: Jan 08 01:20:39 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	100639	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	241263	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	201824	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.393	95	172685	9.990	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	32740	1.983	ppbv	100
3) Chlorodifluoromethane	1.479	51	32152	2.038	ppbv	98
4) Chloromethane	1.537	50	13584	2.000	ppbv	98
5) Vinyl Chloride	1.586	62	12222	1.785	ppbv	91
6) Bromomethane	1.673	94	6017	2.051	ppbv	95
7) Chloroethane	1.709	64	5296	2.009	ppbv	92
8) Dichlorotetrafluoroethane	1.560	85	29417	2.065	ppbv	99
9) Propene	1.489	41	11376	2.071	ppbv	98
10) Heptane	5.007	43	27280	2.010	ppbv	95
11) Trichlorofluoromethane	1.884	101	33615	2.002	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.149	101	25132	2.010	ppbv	99
13) Ethanol	1.728	45	1379	2.184	ppbv	71
14) Bromoethene	1.787	108	8576	2.095	ppbv #	92
15) Acetone	1.842	43	40213	2.170	ppbv	99
16) 1,3-Butadiene	1.615	39	14169	1.950	ppbv	100
17) tert-Butyl alcohol	2.049	59	32475	2.023	ppbv	98
18) 1,1-Dichloroethene	2.042	96	10673	2.039	ppbv	86
19) Isopropyl Alcohol	1.894	45	17352	1.995	ppbv #	1
20) Methylene Chloride	2.068	84	10459	1.975	ppbv #	93
21) Allyl Chloride	2.104	41	19269	2.019	ppbv	96
22) trans-1,2-Dichloroethene	2.350	96	12050	2.059	ppbv	95
23) Vinyl Acetate	2.470	43	12341	2.077	ppbv #	95
24) 1,1-Dichloroethane	2.418	63	26237	2.049	ppbv	100
25) Ethyl Acetate	2.852	43	65149	2.097	ppbv	100
26) Hexane	2.839	57	21758	2.018	ppbv	89
27) Carbon Disulfide	2.159	76	19626	1.918	ppbv #	59
28) Methyl tert-Butyl Ether	2.450	73	15614	1.921	ppbv	97
29) Chloroform	2.861	83	40969	2.045	ppbv	98
30) Cyclohexane	3.874	84	16235	1.984	ppbv	97
31) cis-1,2-Dichloroethene	2.732	61	22729	2.048	ppbv	98
32) 1,1,1-Trichloroethane	3.382	97	34505	1.901	ppbv	98
34) 2-Butanone	2.570	43	38624	2.032	ppbv	99
35) Carbon Tetrachloride	3.780	117	34059	1.868	ppbv	97
36) Benzene	3.674	78	46253	2.007	ppbv	98
37) 1,2-Dichloroethane	3.233	62	30190	1.993	ppbv	100
38) Trichloroethene	4.570	130	17434	1.930	ppbv #	91
39) 1,2-Dichloropropane	4.337	63	17446	1.957	ppbv	96
40) 1,4-Dioxane	4.612	88	6895m	1.996	ppbv	
41) Tetrahydrofuran	3.075	42	16912	1.888	ppbv	100
42) Bromodichloromethane	4.515	83	34494	1.941	ppbv	94
43) Methyl Methacrylate	4.907	69	13160	1.818	ppbv	96
44) 2,2,4-Trimethylpentane	4.661	57	78928	2.078	ppbv	97
45) t-1,3-Dichloropropene	6.441	75	12917m	1.828	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.638	75	17267m	1.858	ppbv	
47) 1,1,2-Trichloroethane	6.609	97	18220	1.932	ppbv	91
48) Dibromochloromethane	7.412	129	23291	1.940	ppbv	96
49) Bromoform	9.500	173	17754	1.846	ppbv	99
50) 4-Methyl-2-Pentanone	5.797	43	41290m	1.881	ppbv	
51) 2-Hexanone	7.464	43	30631	1.842	ppbv #	96
52) Tetrachloroethene	8.244	164	14518	2.124	ppbv	95
53) Toluene	6.956	91	38482	1.874	ppbv	99
54) 1,2-Dibromoethane	7.671	107	22893	1.983	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.943	131	23388	2.033	ppbv	98
57) Chlorobenzene	8.940	112	41759	1.980	ppbv	97
58) Ethyl Benzene	9.373	91	51733	1.881	ppbv	98
59) m/p-Xylene	9.568	91	101552m	4.180	ppbv	
60) o-Xylene	9.979	91	49709	2.105	ppbv	98
61) Styrene	9.888	104	15487	1.690	ppbv	99
62) Isopropylbenzene	10.555	105	75283	2.029	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.979	83	40760	1.968	ppbv	99
64) n-propylbenzene	11.005	120	19823	2.082	ppbv	94
65) tert-Butylbenzene	11.545	119	74996	2.243	ppbv	99
66) Benzyl Chloride	11.629	91	5086m	1.820	ppbv	
67) sec-Butylbenzene	11.781	105	107222	2.198	ppbv	98
69) p-Isopropyltoluene	11.940	119	83161	2.171	ppbv	99
70) n-Butylbenzene	12.296	91	84529	2.197	ppbv	99
71) 2-Chlorotoluene	10.917	91	53695	1.994	ppbv	100
72) 4-Ethyltoluene	11.141	105	58453	2.047	ppbv	98
73) 1,3,5-Trimethylbenzene	11.218	105	51583	2.062	ppbv	99
74) 1,2,4-Trimethylbenzene	11.548	105	65350	2.255	ppbv #	85
75) 1,3-Dichlorobenzene	11.620	146	40038	2.064	ppbv	99
76) 1,4-Dichlorobenzene	11.684	146	38915	2.085	ppbv	97
77) 1,2-Dichlorobenzene	11.963	146	42869	2.121	ppbv	99
78) Hexachloro-1,3-Butadiene	13.895	225	31681	2.208	ppbv	98
79) Naphthalene	13.526	128	52334	2.452	ppbv	99
80) Naphthalene,2-methyl-	14.474	142	15888	2.011	ppbv	99
81) 1,2,4-Trichlorobenzene	13.455	180	26499	2.240	ppbv	99

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

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration

