

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042355.D
 Acq On : 17 Apr 2025 12:54
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/18/2025
 Supervised By : Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:31:10 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	116071	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	332080	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	308463	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 254437 10.038 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	292784	14.277	ppbv	99
3) Chlorodifluoromethane	1.477	51	280042	14.341	ppbv	98
4) Chloromethane	1.532	50	115775	14.266	ppbv	99
5) Vinyl Chloride	1.580	62	112650	12.752	ppbv	100
6) Bromomethane	1.667	94	52805	13.800	ppbv	88
7) Chloroethane	1.703	64	44347	13.881	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	255029	14.484	ppbv	98
9) Propene	1.483	41	123102	13.842	ppbv	95
10) Heptane	4.979	43	336134	14.047	ppbv	100
11) Trichlorofluoromethane	1.875	101	278059	14.258	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.137	101	230366	14.447	ppbv	99
13) Ethanol	1.719	45	6324	8.702	ppbv	76
14) Bromoethene	1.781	108	84851	14.117	ppbv	99
15) Acetone	1.833	43	229086	12.056	ppbv	99
16) 1,3-Butadiene	1.609	39	117997	13.224	ppbv	96
17) tert-Butyl alcohol	2.040	59	320605	13.615	ppbv	99
18) 1,1-Dichloroethene	2.033	96	107666	14.045	ppbv	99
19) Isopropyl Alcohol	1.884	45	139004	13.169	ppbv	94
20) Methylene Chloride	2.059	84	91093	12.241	ppbv	90
21) Allyl Chloride	2.095	41	187995	14.329	ppbv	99
22) trans-1,2-Dichloroethene	2.341	96	118492	13.970	ppbv	94
23) Vinyl Acetate	2.460	43	106135	13.799	ppbv #	98
24) 1,1-Dichloroethane	2.409	63	235466	14.615	ppbv	99
25) Ethyl Acetate	2.836	43	663644	14.166	ppbv	100
26) Hexane	2.826	57	260975	13.765	ppbv	97
27) Carbon Disulfide	2.150	76	299098	14.734	ppbv	97
28) Methyl tert-Butyl Ether	2.438	73	174855	14.076	ppbv	95
29) Chloroform	2.849	83	385686	14.393	ppbv	99
30) Cyclohexane	3.855	84	217375	14.238	ppbv	98
31) cis-1,2-Dichloroethene	2.719	61	264972	14.700	ppbv	98
32) 1,1,1-Trichloroethane	3.367	97	412537	14.357	ppbv	99
34) 2-Butanone	2.558	43	367315	13.986	ppbv	100
35) Carbon Tetrachloride	3.762	117	409916	13.639	ppbv	94
36) Benzene	3.655	78	522156	14.578	ppbv	97
37) 1,2-Dichloroethane	3.218	62	319517	14.863	ppbv	100
38) Trichloroethene	4.548	130	208508	13.278	ppbv	98
39) 1,2-Dichloropropane	4.312	63	189697	14.201	ppbv	97
40) 1,4-Dioxane	4.580	88	92114	12.733	ppbv #	95
41) Tetrahydrofuran	3.053	42	214949	14.166	ppbv	98
42) Bromodichloromethane	4.490	83	442735	14.798	ppbv	95
43) Methyl Methacrylate	4.878	69	219757	13.670	ppbv	95
44) 2,2,4-Trimethylpentane	4.642	57	893529	14.425	ppbv	99
45) t-1,3-Dichloropropene	6.412	75	244470	14.810	ppbv	94

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

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	300145	14.878	ppbv	90
47) 1,1,2-Trichloroethane	6.581	97	198874	14.615	ppbv	98
48) Dibromochloromethane	7.390	129	362887	15.105	ppbv	98
49) Bromoform	9.484	173	312282	14.865	ppbv	99
50) 4-Methyl-2-Pentanone	5.749	43	563658	12.889	ppbv	99
51) 2-Hexanone	7.435	43	467001	11.834	ppbv #	98
52) Tetrachloroethene	8.225	164	180631	13.046	ppbv	97
53) Toluene	6.933	91	619420	14.411	ppbv	99
54) 1,2-Dibromoethane	7.652	107	280071	14.442	ppbv	92
56) 1,1,1,2-Tetrachloroethane	8.927	131	268626	14.389	ppbv	97
57) Chlorobenzene	8.921	112	454017	14.151	ppbv	97
58) Ethyl Benzene	9.354	91	874424	14.308	ppbv	100
59) m/p-Xylene	9.552	91	1388086m	28.109	ppbv	
60) o-Xylene	9.963	91	689246	13.902	ppbv	99
61) Styrene	9.872	104	339508	14.347	ppbv	99
62) Isopropylbenzene	10.539	105	1018968	13.999	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	412898	12.816	ppbv	100
64) n-propylbenzene	10.989	120	260812	14.255	ppbv	94
65) tert-Butylbenzene	11.533	119	899720	13.449	ppbv	93
66) Benzyl Chloride	11.617	91	96016	13.061	ppbv	96
67) sec-Butylbenzene	11.769	105	1253263	13.468	ppbv	100
69) p-Isopropyltoluene	11.928	119	1081850	13.382	ppbv	99
70) n-Butylbenzene	12.284	91	1117042	13.266	ppbv	100
71) 2-Chlorotoluene	10.902	91	806728	14.131	ppbv	100
72) 4-Ethyltoluene	11.125	105	848077	13.992	ppbv	99
73) 1,3,5-Trimethylbenzene	11.206	105	726558	13.578	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	785772	12.572	ppbv	97
75) 1,3-Dichlorobenzene	11.610	146	444086	13.670	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	450662	13.802	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	427372	13.529	ppbv	99
78) Hexachloro-1,3-Butadiene	13.883	225	404441	12.679	ppbv	100
79) Naphthalene	13.514	128	944085	12.632	ppbv	98
80) Naphthalene,2-methyl-	14.459	142	540339	12.686	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	429982	13.398	ppbv	98

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

