

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
 Data File : VL043111.D
 Acq On : 14 Oct 2025 14:18
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/16/2025
 Supervised By : Mahesh Dadoda 10/16/2025

Quant Time: Oct 15 01:55:55 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

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

QLast Update : Wed Oct 15 01:49:43 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	100858	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	321665	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	292542	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 233522 10.270 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	193353	13.485	ppbv	98
3) Chlorodifluoromethane	1.476	51	205650	13.255	ppbv	98
4) Chloromethane	1.534	50	72111	12.695	ppbv	98
5) Vinyl Chloride	1.583	62	69909	12.548	ppbv	99
6) Bromomethane	1.670	94	39756	13.013	ppbv	98
7) Chloroethane	1.706	64	27709	12.164	ppbv	95
8) Dichlorotetrafluoroethane	1.557	85	156753	13.526	ppbv	100
9) Propene	1.486	41	88451	12.854	ppbv	98
10) Heptane	4.985	43	249682	12.658	ppbv	99
11) Trichlorofluoromethane	1.881	101	191307	13.640	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	150640	13.341	ppbv	98
13) Ethanol	1.722	45	25828	10.148	ppbv	98
14) Bromoethene	1.784	108	54818	13.068	ppbv	99
15) Acetone	1.835	43	160069	11.710	ppbv	100
16) 1,3-Butadiene	1.612	39	80403	12.411	ppbv	98
17) tert-Butyl alcohol	2.039	59	237633	12.735	ppbv	99
18) 1,1-Dichloroethene	2.036	96	65634	13.333	ppbv	98
19) Isopropyl Alcohol	1.887	45	102035	12.051	ppbv	98
20) Methylene Chloride	2.065	84	60549	11.268	ppbv	90
21) Allyl Chloride	2.097	41	131539	13.105	ppbv	95
22) trans-1,2-Dichloroethene	2.343	96	76780	13.048	ppbv	97
23) Vinyl Acetate	2.463	43	288274	14.476	ppbv	98
24) 1,1-Dichloroethane	2.411	63	152663	13.428	ppbv	99
25) Ethyl Acetate	2.835	43	434350	12.884	ppbv	100
26) Hexane	2.829	57	199384	12.836	ppbv	98
27) Carbon Disulfide	2.152	76	192452	13.522	ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	96464	13.650	ppbv	94
29) Chloroform	2.852	83	302154	13.425	ppbv	98
30) Cyclohexane	3.858	84	177947	13.133	ppbv	95
31) cis-1,2-Dichloroethene	2.722	61	203888	13.745	ppbv	97
32) 1,1,1-Trichloroethane	3.373	97	316442	13.500	ppbv	99
34) 2-Butanone	2.557	43	283134	13.020	ppbv	99
35) Carbon Tetrachloride	3.764	117	325078	14.056	ppbv	98
36) Benzene	3.661	78	415823	13.725	ppbv	99
37) 1,2-Dichloroethane	3.221	62	241983	13.865	ppbv	98
38) Trichloroethene	4.551	130	159136	12.590	ppbv	97
39) 1,2-Dichloropropane	4.318	63	147155	13.274	ppbv	95
40) 1,4-Dioxane	4.580	88	65323	13.180	ppbv #	94
41) Tetrahydrofuran	3.052	42	160247	13.200	ppbv	99
42) Bromodichloromethane	4.493	83	343817	14.234	ppbv	99
43) Methyl Methacrylate	4.881	69	210756	13.633	ppbv	98
44) 2,2,4-Trimethylpentane	4.645	57	675770	13.340	ppbv	99
45) t-1,3-Dichloropropene	6.418	75	218386	14.142	ppbv	97

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QLast Update : Wed Oct 15 01:49:43 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	258355	14.018	ppbv	98
47) 1,1,2-Trichloroethane	6.583	97	163113	13.638	ppbv	94
48) Dibromochloromethane	7.393	129	280993	14.051	ppbv	100
49) Bromoform	9.487	173	230561	14.184	ppbv	100
50) 4-Methyl-2-Pentanone	5.748	43	401849	13.396	ppbv	100
51) 2-Hexanone	7.435	43	317288	14.176	ppbv #	99
52) Tetrachloroethene	8.231	164	143954	13.177	ppbv	98
53) Toluene	6.936	91	483870	13.457	ppbv	100
54) 1,2-Dibromoethane	7.655	107	254024	13.461	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.927	131	250303	13.573	ppbv	99
57) Chlorobenzene	8.927	112	355301	12.983	ppbv	98
58) Ethyl Benzene	9.357	91	676918	13.375	ppbv	97
59) m/p-Xylene	9.555	91	1061952m	26.498	ppbv	
60) o-Xylene	9.966	91	516660	13.063	ppbv	99
61) Styrene	9.875	104	247585	13.867	ppbv	99
62) Isopropylbenzene	10.542	105	931508	13.034	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	331423	12.515	ppbv	100
64) n-propylbenzene	10.992	120	241719	12.775	ppbv	96
65) tert-Butylbenzene	11.532	119	788234	12.490	ppbv	97
66) Benzyl Chloride	11.620	91	97114	13.778	ppbv	99
67) sec-Butylbenzene	11.769	105	1125489	12.566	ppbv	99
69) p-Isopropyltoluene	11.930	119	959206	12.602	ppbv	99
70) n-Butylbenzene	12.283	91	973466	12.979	ppbv	100
71) 2-Chlorotoluene	10.904	91	721827	13.242	ppbv	98
72) 4-Ethyltoluene	11.128	105	647315	13.310	ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	534006	13.314	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	560932	12.498	ppbv #	86
75) 1,3-Dichlorobenzene	11.610	146	339203	13.031	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	341936	13.027	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	318800	12.660	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	226294	11.606	ppbv	99
79) Naphthalene	13.516	128	661098	14.260	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	212784	17.384	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	266712	13.698	ppbv	100

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

Manual Integrations

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