

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060325\
 Data File : VL042603.D
 Acq On : 03 Jun 2025 09:57
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025

Quant Time: Jun 04 01:36:19 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

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

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	103651	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	286148	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	257739	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 199753 10.339 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	117468	9.221	ppbv	99
3) Chlorodifluoromethane	1.476	51	156759	8.935	ppbv	99
4) Chloromethane	1.531	50	45396	8.999	ppbv	99
5) Vinyl Chloride	1.580	62	42371	8.245	ppbv	97
6) Bromomethane	1.667	94	21400	8.556	ppbv	98
7) Chloroethane	1.703	64	17059	8.543	ppbv	96
8) Dichlorotetrafluoroethane	1.554	85	96775	9.117	ppbv	100
9) Propene	1.483	41	60913	8.621	ppbv	99
10) Heptane	4.978	43	174657	8.770	ppbv	100
11) Trichlorofluoromethane	1.878	101	114301	9.643	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	86144	9.255	ppbv	99
13) Ethanol	1.722	45	4651	5.524	ppbv	89
14) Bromoethene	1.780	108	32007	9.142	ppbv	98
15) Acetone	1.835	43	96314	7.714	ppbv	99
16) 1,3-Butadiene	1.609	39	50360	8.515	ppbv	97
17) tert-Butyl alcohol	2.039	59	116438	8.952	ppbv	100
18) 1,1-Dichloroethene	2.033	96	38780	8.989	ppbv	92
19) Isopropyl Alcohol	1.884	45	64531	8.646	ppbv	97
20) Methylene Chloride	2.062	84	32530	7.895	ppbv	98
21) Allyl Chloride	2.094	41	78756	8.940	ppbv	99
22) trans-1,2-Dichloroethene	2.340	96	43046	8.933	ppbv	94
23) Vinyl Acetate	2.460	43	167783	9.942	ppbv	98
24) 1,1-Dichloroethane	2.408	63	88857	8.962	ppbv	100
25) Ethyl Acetate	2.836	43	312603	9.149	ppbv	99
26) Hexane	2.823	57	136454	8.789	ppbv	98
27) Carbon Disulfide	2.149	76	109303	9.171	ppbv	94
28) Methyl tert-Butyl Ether	2.438	73	52508	8.335	ppbv	99
29) Chloroform	2.849	83	194078	9.613	ppbv	100
30) Cyclohexane	3.855	84	113479	8.817	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	132152	9.305	ppbv	99
32) 1,1,1-Trichloroethane	3.366	97	192143	9.315	ppbv	98
34) 2-Butanone	2.557	43	203595	9.977	ppbv	99
35) Carbon Tetrachloride	3.761	117	194011	10.271	ppbv	98
36) Benzene	3.654	78	273248	9.697	ppbv	100
37) 1,2-Dichloroethane	3.218	62	150367	10.737	ppbv	98
38) Trichloroethene	4.548	130	111669	9.323	ppbv	95
39) 1,2-Dichloropropane	4.312	63	99730	9.571	ppbv	97
40) 1,4-Dioxane	4.580	88	44872	9.623	ppbv #	94
41) Tetrahydrofuran	3.052	42	113671	9.516	ppbv	99
42) Bromodichloromethane	4.486	83	210804	10.598	ppbv	95
43) Methyl Methacrylate	4.878	69	106339	9.723	ppbv	98
44) 2,2,4-Trimethylpentane	4.638	57	463354	9.613	ppbv	99
45) t-1,3-Dichloropropene	6.412	75	123957	9.905	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	154808	9.872	ppbv	94
47) 1,1,2-Trichloroethane	6.580	97	106058	9.832	ppbv	93
48) Dibromochloromethane	7.390	129	174596	10.111	ppbv	98
49) Bromoform	9.484	173	149026	10.002	ppbv	99
50) 4-Methyl-2-Pentanone	5.752	43	275211	9.723	ppbv	100
51) 2-Hexanone	7.435	43	221659	9.874	ppbv #	98
52) Tetrachloroethene	8.221	164	95597	9.079	ppbv	99
53) Toluene	6.933	91	309534	9.504	ppbv	99
54) 1,2-Dibromoethane	7.652	107	155912	9.765	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.924	131	129281	9.976	ppbv	100
57) Chlorobenzene	8.924	112	237104	9.474	ppbv	98
58) Ethyl Benzene	9.354	91	423449	9.686	ppbv	97
59) m/p-Xylene	9.552	91	672557m	19.548	ppbv	
60) o-Xylene	9.966	91	335687	9.783	ppbv	98
61) Styrene	9.869	104	155358	9.576	ppbv	97
62) Isopropylbenzene	10.539	105	491695	9.699	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.963	83	210420	9.644	ppbv	100
64) n-propylbenzene	10.989	120	129627	9.539	ppbv	96
65) tert-Butylbenzene	11.532	119	431902	9.389	ppbv	98
66) Benzyl Chloride	11.617	91	55882	9.437	ppbv	99
67) sec-Butylbenzene	11.769	105	613548	9.486	ppbv	98
69) p-Isopropyltoluene	11.927	119	508995	9.398	ppbv	98
70) n-Butylbenzene	12.280	91	522086	9.765	ppbv	98
71) 2-Chlorotoluene	10.901	91	374154	9.676	ppbv	98
72) 4-Ethyltoluene	11.125	105	415540	9.713	ppbv	98
73) 1,3,5-Trimethylbenzene	11.202	105	342857	9.683	ppbv	96
74) 1,2,4-Trimethylbenzene	11.539	105	375612	9.560	ppbv	96
75) 1,3-Dichlorobenzene	11.607	146	234817	9.516	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	235558	9.572	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	225433	9.413	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	168390	8.498	ppbv	99
79) Naphthalene	13.513	128	370828	10.012	ppbv	100
80) Naphthalene,2-methyl-	14.458	142	183040	10.939	ppbv	99
81) 1,2,4-Trichlorobenzene	13.439	180	195316	9.447	ppbv	98

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

