

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062325\
 Data File : VL042663.D
 Acq On : 23 Jun 2025 08:41
 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 :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 06:40:03 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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	107594	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	276339	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	242640	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 192988 10.610 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	138217	10.452	ppbv	97
3) Chlorodifluoromethane	1.476	51	178410	9.796	ppbv	97
4) Chloromethane	1.534	50	52895	10.101	ppbv	97
5) Vinyl Chloride	1.580	62	50091	9.390	ppbv	97
6) Bromomethane	1.667	94	24674	9.503	ppbv	88
7) Chloroethane	1.703	64	20015	9.657	ppbv	94
8) Dichlorotetrafluoroethane	1.554	85	113998	10.346	ppbv	99
9) Propene	1.483	41	68079	9.282	ppbv	100
10) Heptane	4.978	43	196688	9.514	ppbv	100
11) Trichlorofluoromethane	1.877	101	146085	11.873	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	110320	11.419	ppbv	97
13) Ethanol	1.722	45	5775	6.607	ppbv	95
14) Bromoethene	1.780	108	40479	11.139	ppbv	95
15) Acetone	1.835	43	121399	9.367	ppbv	98
16) 1,3-Butadiene	1.609	39	57008	9.286	ppbv	95
17) tert-Butyl alcohol	2.039	59	132796	9.836	ppbv	99
18) 1,1-Dichloroethene	2.036	96	47216	10.544	ppbv	86
19) Isopropyl Alcohol	1.884	45	75865	9.792	ppbv	93
20) Methylene Chloride	2.062	84	42438	9.923	ppbv	95
21) Allyl Chloride	2.094	41	90824	9.932	ppbv	94
22) trans-1,2-Dichloroethene	2.340	96	54642	10.924	ppbv	99
23) Vinyl Acetate	2.463	43	205531	11.732	ppbv	98
24) 1,1-Dichloroethane	2.408	63	112237	10.905	ppbv	99
25) Ethyl Acetate	2.835	43	347267	9.791	ppbv	99
26) Hexane	2.826	57	151330	9.390	ppbv	97
27) Carbon Disulfide	2.149	76	136256	11.013	ppbv	96
28) Methyl tert-Butyl Ether	2.441	73	63583	9.723	ppbv	97
29) Chloroform	2.848	83	221500	10.569	ppbv	98
30) Cyclohexane	3.858	84	121505	9.094	ppbv	98
31) cis-1,2-Dichloroethene	2.722	61	146205	9.918	ppbv	99
32) 1,1,1-Trichloroethane	3.369	97	212367	9.918	ppbv	98
34) 2-Butanone	2.557	43	229755	11.658	ppbv	100
35) Carbon Tetrachloride	3.761	117	219549	12.036	ppbv	94
36) Benzene	3.658	78	300886	11.057	ppbv	98
37) 1,2-Dichloroethane	3.217	62	166642	12.321	ppbv	97
38) Trichloroethene	4.548	130	118538	10.248	ppbv	91
39) 1,2-Dichloropropane	4.311	63	112430	11.172	ppbv	97
40) 1,4-Dioxane	4.580	88	49446	10.981	ppbv #	94
41) Tetrahydrofuran	3.052	42	124761	10.815	ppbv	99
42) Bromodichloromethane	4.489	83	240200	12.505	ppbv	96
43) Methyl Methacrylate	4.878	69	110110	10.425	ppbv	99
44) 2,2,4-Trimethylpentane	4.638	57	517756	11.123	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	127466	10.547	ppbv	98

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

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	165013	10.896	ppbv	99
47) 1,1,2-Trichloroethane	6.580	97	116477	11.181	ppbv	91
48) Dibromochloromethane	7.389	129	189132	11.341	ppbv	99
49) Bromoform	9.483	173	161707	11.238	ppbv	99
50) 4-Methyl-2-Pentanone	5.752	43	300666	11.000	ppbv	98
51) 2-Hexanone	7.438	43	237754	10.967	ppbv #	96
52) Tetrachloroethene	8.228	164	99515	9.787	ppbv	96
53) Toluene	6.933	91	327154	10.402	ppbv	100
54) 1,2-Dibromoethane	7.655	107	171564	11.127	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.927	131	142626	11.690	ppbv	98
57) Chlorobenzene	8.924	112	259252	11.004	ppbv	96
58) Ethyl Benzene	9.357	91	454212	11.036	ppbv	96
59) m/p-Xylene	9.535	91	749683m	23.146	ppbv	
60) o-Xylene	9.966	91	370094	11.457	ppbv	97
61) Styrene	9.875	104	159261	10.427	ppbv	98
62) Isopropylbenzene	10.542	105	537730	11.267	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	238296	11.601	ppbv	99
64) n-propylbenzene	10.992	120	140127	10.954	ppbv	92
65) tert-Butylbenzene	11.532	119	470271	10.859	ppbv	96
66) Benzyl Chloride	11.616	91	49156	8.818	ppbv	97
67) sec-Butylbenzene	11.769	105	678281	11.140	ppbv	98
69) p-Isopropyltoluene	11.927	119	557238	10.929	ppbv	99
70) n-Butylbenzene	12.283	91	573279	11.390	ppbv	98
71) 2-Chlorotoluene	10.904	91	410730	11.283	ppbv	96
72) 4-Ethyltoluene	11.128	105	452536	11.236	ppbv	98
73) 1,3,5-Trimethylbenzene	11.205	105	376444	11.293	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	416433	11.258	ppbv	98
75) 1,3-Dichlorobenzene	11.610	146	260528	11.215	ppbv	98
76) 1,4-Dichlorobenzene	11.675	146	261021	11.267	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	251878	11.172	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	179838	9.641	ppbv	99
79) Naphthalene	13.513	128	395716	11.349	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	187000	11.871	ppbv	97
81) 1,2,4-Trichlorobenzene	13.439	180	204634	10.513	ppbv	98

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

