

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042951.D
 Acq On : 22 Sep 2025 10:14
 Operator : SY/MD
 Sample : VSTDIC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 23 02:09:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Sep 23 02:07:33 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin
 Yesilyurt

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

Internal Standards						
1) Bromochloromethane	2.787	49	170758	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	524389	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	483821	10.000	ppbv	0.00

09/23/2025
 Supervised By : Mahesh
 adoda

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	361586	10.012	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.100%

09/24/2025

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.499	85	47851	2.083	ppbv	97
3) Chlorodifluoromethane	1.476	51	58395	2.040	ppbv	95
4) Chloromethane	1.534	50	21326	2.051	ppbv	99
5) Vinyl Chloride	1.580	62	17892	1.904	ppbv	98
6) Bromomethane	1.667	94	6816	2.056	ppbv	96
7) Chloroethane	1.706	64	7250	1.987	ppbv #	85
8) Dichlorotetrafluoroethane	1.554	85	40306	2.056	ppbv	98
9) Propene	1.483	41	26007	2.088	ppbv	99
10) Heptane	4.978	43	66978	2.005	ppbv	99
11) Trichlorofluoromethane	1.877	101	45973	2.076	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.140	101	36490	2.035	ppbv	98
13) Ethanol	1.722	45	2989	2.504	ppbv	93
14) Bromoethene	1.784	108	14189	2.093	ppbv #	96
15) Acetone	1.835	43	50357	2.264	ppbv	99
16) 1,3-Butadiene	1.609	39	20729	1.976	ppbv	94
17) tert-Butyl alcohol	2.042	59	47749	1.957	ppbv #	93
18) 1,1-Dichloroethene	2.036	96	16572	1.996	ppbv	95
19) Isopropyl Alcohol	1.887	45	27930	2.089	ppbv #	79
20) Methylene Chloride	2.062	84	17413	2.097	ppbv #	84
21) Allyl Chloride	2.098	41	32985	2.130	ppbv	99
22) trans-1,2-Dichloroethene	2.340	96	18991	2.013	ppbv	98
23) Vinyl Acetate	2.463	43	64479	2.029	ppbv #	98
24) 1,1-Dichloroethane	2.408	63	37865	2.047	ppbv	99
25) Ethyl Acetate	2.835	43	117567	2.092	ppbv	99
26) Hexane	2.826	57	53034	2.070	ppbv	98
27) Carbon Disulfide	2.153	76	47660	2.074	ppbv #	60
28) Methyl tert-Butyl Ether	2.441	73	25348	1.903	ppbv	92
29) Chloroform	2.848	83	69599	2.077	ppbv	96
30) Cyclohexane	3.855	84	43725	2.041	ppbv	99
31) cis-1,2-Dichloroethene	2.719	61	50019	2.084	ppbv	95
32) 1,1,1-Trichloroethane	3.366	97	70729	1.948	ppbv	97
34) 2-Butanone	2.557	43	77689	2.114	ppbv	98
35) Carbon Tetrachloride	3.761	117	68858	2.041	ppbv	95
36) Benzene	3.658	78	101901	2.069	ppbv	97
37) 1,2-Dichloroethane	3.217	62	53130	2.052	ppbv	98
38) Trichloroethene	4.548	130	47424	1.938	ppbv	94
39) 1,2-Dichloropropane	4.308	63	37381m	2.078	ppbv	
40) 1,4-Dioxane	4.586	88	17074m	2.044	ppbv	
41) Tetrahydrofuran	3.056	42	43962	2.081	ppbv	98
42) Bromodichloromethane	4.486	83	73675	2.042	ppbv	98
43) Methyl Methacrylate	4.881	69	41527	2.077	ppbv	99
44) 2,2,4-Trimethylpentane	4.638	57	177242	2.083	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	44171	2.055	ppbv	91

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 Yesilyurt

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.596	75	56335	2.057	ppbv	97	09/23/2025
47) 1,1,2-Trichloroethane	6.577	97	38961m	2.050	ppbv	97	Supervised By : Mahesh Dadoda
48) Dibromochloromethane	7.383	129	62968	2.072	ppbv	98	
49) Bromoform	9.480	173	56021	2.119	ppbv	99	
50) 4-Methyl-2-Pentanone	5.755	43	103605m	2.098	ppbv		
51) 2-Hexanone	7.438	43	80620	2.053	ppbv	99	
52) Tetrachloroethene	8.224	164	36853	1.934	ppbv	94	09/24/2025
53) Toluene	6.933	91	121268	2.081	ppbv	100	
54) 1,2-Dibromoethane	7.652	107	55022	2.058	ppbv	94	
56) 1,1,1,2-Tetrachloroethane	8.920	131	48901	2.112	ppbv	98	
57) Chlorobenzene	8.924	112	91325	2.068	ppbv	94	
58) Ethyl Benzene	9.354	91	168063	2.115	ppbv	99	
59) m/p-Xylene	9.532	91	263362m	4.202	ppbv		
60) o-Xylene	9.963	91	131507	2.101	ppbv	98	
61) Styrene	9.869	104	62748	2.119	ppbv	98	
62) Isopropylbenzene	10.539	105	196198	2.103	ppbv	100	
63) 1,1,2,2-Tetrachloroethane	9.963	83	65089	1.978	ppbv	98	
64) n-propylbenzene	10.985	120	50569	2.074	ppbv	93	
65) tert-Butylbenzene	11.529	119	178218	2.147	ppbv	98	
66) Benzyl Chloride	11.613	91	18992	2.181	ppbv	98	
67) sec-Butylbenzene	11.765	105	249510	2.158	ppbv	100	
69) p-Isopropyltoluene	11.924	119	210808	2.158	ppbv	97	
70) n-Butylbenzene	12.280	91	206691	2.167	ppbv	100	
71) 2-Chlorotoluene	10.898	91	147901	2.099	ppbv	100	
72) 4-Ethyltoluene	11.124	105	164770	2.102	ppbv	99	
73) 1,3,5-Trimethylbenzene	11.202	105	135344	2.128	ppbv	100	
74) 1,2,4-Trimethylbenzene	11.536	105	150772	2.147	ppbv	98	
75) 1,3-Dichlorobenzene	11.607	146	92487	2.124	ppbv	98	
76) 1,4-Dichlorobenzene	11.671	146	92794	2.145	ppbv	99	
77) 1,2-Dichlorobenzene	11.947	146	88825	2.144	ppbv	100	
78) Hexachloro-1,3-Butadiene	13.879	225	70481	2.175	ppbv	99	
79) Naphthalene	13.510	128	142653	2.297	ppbv	98	
80) Naphthalene,2-methyl-	14.458	142	41369	2.157	ppbv	98	
81) 1,2,4-Trichlorobenzene	13.439	180	75139	2.263	ppbv	99	

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

