

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082625\
 Data File : VL042882.D
 Acq On : 26 Aug 2025 12:58
 Operator : SY/MD
 Sample : VL0826ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0826ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

08/27/2025
 Supervised By : Mahesh
 Dadoda

Quant Time: Aug 27 01:10:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 27 01:10:26 2025
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	120328	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	335593	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	291587	10.000	ppbv	0.00

08/27/2025

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.377	95	229231	10.482	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	179347	10.170	ppbv	100
3) Chlorodifluoromethane	1.476	51	205382	10.536	ppbv	100
4) Chloromethane	1.531	50	68216	9.586	ppbv	95
5) Vinyl Chloride	1.580	62	63448	9.053	ppbv	98
6) Bromomethane	1.667	94	26088	9.309	ppbv	93
7) Chloroethane	1.703	64	25112	9.175	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	146504	10.152	ppbv	96
9) Propene	1.483	41	76820	9.125	ppbv	99
10) Heptane	4.982	43	212002	9.403	ppbv	99
11) Trichlorofluoromethane	1.878	101	173505	9.972	ppbv	98
12) 1,1,2-Trichlorotrifluoro...	2.140	101	136502	9.843	ppbv	97
13) Ethanol	1.722	45	5945	7.724	ppbv	96
14) Bromoethene	1.781	108	49464	9.853	ppbv	98
15) Acetone	1.836	43	130343	8.189	ppbv	98
16) 1,3-Butadiene	1.609	39	64056	8.877	ppbv	99
17) tert-Butyl alcohol	2.039	59	160632	8.510	ppbv	98
18) 1,1-Dichloroethene	2.033	96	61599	10.104	ppbv	97
19) Isopropyl Alcohol	1.884	45	83886	8.824	ppbv	99
20) Methylene Chloride	2.062	84	52286	7.842	ppbv	93
21) Allyl Chloride	2.094	41	105652	9.396	ppbv	93
22) trans-1,2-Dichloroethene	2.340	96	69860	9.904	ppbv	96
23) Vinyl Acetate	2.463	43	200780	9.174	ppbv #	98
24) 1,1-Dichloroethane	2.408	63	138380	9.824	ppbv	99
25) Ethyl Acetate	2.836	43	378826	9.834	ppbv	99
26) Hexane	2.826	57	173270	9.744	ppbv	95
27) Carbon Disulfide	2.149	76	171438	9.907	ppbv	99
28) Methyl tert-Butyl Ether	2.441	73	80548	8.884	ppbv	91
29) Chloroform	2.849	83	267897	10.552	ppbv	99
30) Cyclohexane	3.855	84	146586	9.403	ppbv	98
31) cis-1,2-Dichloroethene	2.722	61	174095	9.802	ppbv	96
32) 1,1,1-Trichloroethane	3.370	97	260552	9.711	ppbv	98
34) 2-Butanone	2.557	43	243779	10.758	ppbv	100
35) Carbon Tetrachloride	3.761	117	258725	11.183	ppbv	98
36) Benzene	3.658	78	344231	10.712	ppbv	98
37) 1,2-Dichloroethane	3.218	62	204516	12.181	ppbv	96
38) Trichloroethene	4.548	130	145016	9.881	ppbv	96
39) 1,2-Dichloropropane	4.315	63	126704	10.795	ppbv	94
40) 1,4-Dioxane	4.580	88	52376	9.385	ppbv #	87
41) Tetrahydrofuran	3.053	42	135743	10.744	ppbv	100
42) Bromodichloromethane	4.493	83	289041	11.553	ppbv	99
43) Methyl Methacrylate	4.878	69	132659	10.021	ppbv	94
44) 2,2,4-Trimethylpentane	4.642	57	575104	10.544	ppbv	98
45) t-1,3-Dichloropropene	6.415	75	150653	10.084	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.603	75	193603	10.400	ppbv	95	
47) 1,1,2-Trichloroethane	6.584	97	132827m	10.682	ppbv		
48) Dibromochloromethane	7.390	129	223261	11.095	ppbv	98	
49) Bromoform	9.484	173	177586	10.701	ppbv	99	
50) 4-Methyl-2-Pentanone	5.752	43	331985	10.839	ppbv	98	
51) 2-Hexanone	7.441	43	265868	11.031	ppbv #	96	
52) Tetrachloroethene	8.228	164	108061	9.295	ppbv	93	
53) Toluene	6.936	91	387446	10.141	ppbv	100	
54) 1,2-Dibromoethane	7.655	107	196360	10.805	ppbv	99	
56) 1,1,1,2-Tetrachloroethane	8.927	131	164994	10.942	ppbv	97	
57) Chlorobenzene	8.924	112	295860	10.671	ppbv	98	
58) Ethyl Benzene	9.354	91	550572	10.700	ppbv	97	
59) m/p-Xylene	9.555	91	882918m	21.891	ppbv		
60) o-Xylene	9.966	91	447101	11.020	ppbv	98	
61) Styrene	9.875	104	190432	10.018	ppbv	98	
62) Isopropylbenzene	10.542	105	631812	10.656	ppbv	98	
63) 1,1,2,2-Tetrachloroethane	9.966	83	246924	11.067	ppbv	100	
64) n-propylbenzene	10.992	120	156519	10.346	ppbv	90	
65) tert-Butylbenzene	11.533	119	542756	10.384	ppbv	95	
66) Benzyl Chloride	11.617	91	46679	7.035	ppbv	97	
67) sec-Butylbenzene	11.769	105	786777	10.724	ppbv	98	
69) p-Isopropyltoluene	11.927	119	646167	10.259	ppbv	98	
70) n-Butylbenzene	12.283	91	684256	10.953	ppbv	97	
71) 2-Chlorotoluene	10.901	91	486123	10.559	ppbv	96	
72) 4-Ethyltoluene	11.128	105	529149	10.759	ppbv	98	
73) 1,3,5-Trimethylbenzene	11.206	105	442121	10.571	ppbv	97	
74) 1,2,4-Trimethylbenzene	11.539	105	483783	10.538	ppbv	97	
75) 1,3-Dichlorobenzene	11.610	146	276403	10.591	ppbv	99	
76) 1,4-Dichlorobenzene	11.672	146	277642	10.519	ppbv	98	
77) 1,2-Dichlorobenzene	11.950	146	266369	10.423	ppbv	99	
78) Hexachloro-1,3-Butadiene	13.882	225	166586	7.953	ppbv	99	
79) Naphthalene	13.513	128	425618	10.226	ppbv	98	
80) Naphthalene,2-methyl-	14.458	142	135588	8.718	ppbv	97	
81) 1,2,4-Trichlorobenzene	13.442	180	206427	9.868	ppbv	99	

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

Manual Integrations

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[illegible]