

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080425\
 Data File : VL042798.D
 Acq On : 04 Aug 2025 10:58
 Operator : SY/MD
 Sample : VL0804ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0804ABS01

Quant Time: Aug 05 01:00:39 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 05 01:00:39 2025

QLast Update : Thu Jul 24 05:24:41 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/05/2025
 Supervised By : Mahesh Dadoda 08/05/2025

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

Internal Standards						
1) Bromochloromethane	2.787	49	152949	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	424278	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	379714	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 306318 10.187 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	210012	10.385	ppbv	97
3) Chlorodifluoromethane	1.476	51	276371	10.491	ppbv	100
4) Chloromethane	1.531	50	83517	10.208	ppbv	94
5) Vinyl Chloride	1.580	62	72902	9.019	ppbv	98
6) Bromomethane	1.667	94	32559	10.419	ppbv	93
7) Chloroethane	1.703	64	30002	9.606	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	168635	10.140	ppbv	99
9) Propene	1.483	41	96098	10.037	ppbv	97
10) Heptane	4.978	43	284663	11.027	ppbv	98
11) Trichlorofluoromethane	1.877	101	210535	10.100	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.136	101	162121	10.235	ppbv	99
13) Ethanol	1.719	45	7676	9.859	ppbv	94
14) Bromoethene	1.780	108	57843	10.313	ppbv	99
15) Acetone	1.832	43	175468	8.308	ppbv	99
16) 1,3-Butadiene	1.609	39	90012	9.992	ppbv	98
17) tert-Butyl alcohol	2.036	59	186238	9.777	ppbv	98
18) 1,1-Dichloroethene	2.033	96	70538	9.855	ppbv	92
19) Isopropyl Alcohol	1.884	45	111099	9.899	ppbv	99
20) Methylene Chloride	2.059	84	62223	9.349	ppbv	96
21) Allyl Chloride	2.094	41	138811	10.664	ppbv	96
22) trans-1,2-Dichloroethene	2.340	96	79678	10.348	ppbv	91
23) Vinyl Acetate	2.460	43	275096	10.744	ppbv	99
24) 1,1-Dichloroethane	2.408	63	162025	10.252	ppbv	99
25) Ethyl Acetate	2.832	43	509939	10.908	ppbv	100
26) Hexane	2.823	57	217430	10.603	ppbv	98
27) Carbon Disulfide	2.149	76	193468	11.020	ppbv	100
28) Methyl tert-Butyl Ether	2.437	73	87317	9.013	ppbv	100
29) Chloroform	2.845	83	341292	10.770	ppbv	100
30) Cyclohexane	3.855	84	182892	10.516	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	220340	10.456	ppbv	99
32) 1,1,1-Trichloroethane	3.363	97	332840	10.083	ppbv	99
34) 2-Butanone	2.554	43	328262	10.922	ppbv	99
35) Carbon Tetrachloride	3.761	117	352113	11.173	ppbv	99
36) Benzene	3.654	78	442780	11.012	ppbv	97
37) 1,2-Dichloroethane	3.214	62	263215	10.867	ppbv	100
38) Trichloroethene	4.544	130	196304	10.162	ppbv	98
39) 1,2-Dichloropropane	4.311	63	160594	10.820	ppbv	98
40) 1,4-Dioxane	4.577	88	74021	10.699	ppbv #	96
41) Tetrahydrofuran	3.049	42	177182	11.586	ppbv	99
42) Bromodichloromethane	4.486	83	363538	11.524	ppbv	97
43) Methyl Methacrylate	4.875	69	164875	11.536	ppbv	99
44) 2,2,4-Trimethylpentane	4.635	57	747668	11.408	ppbv	99
45) t-1,3-Dichloropropene	6.409	75	186189	11.617	ppbv	95

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 5

QLast Update : Thu Jul 24 05:24:41 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	233634	11.503	ppbv	97
47) 1,1,2-Trichloroethane	6.580	97	172191m	10.883	ppbv	
48) Dibromochloromethane	7.383	129	291861	11.619	ppbv	99
49) Bromoform	9.484	173	256208	11.698	ppbv	97
50) 4-Methyl-2-Pentanone	5.745	43	449115	11.601	ppbv	98
51) 2-Hexanone	7.431	43	361190	12.346	ppbv #	97
52) Tetrachloroethene	8.221	164	161678	9.700	ppbv	96
53) Toluene	6.930	91	483690	11.202	ppbv	99
54) 1,2-Dibromoethane	7.648	107	245100	10.964	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.924	131	223105	11.301	ppbv	99
57) Chlorobenzene	8.920	112	399269	10.865	ppbv	97
58) Ethyl Benzene	9.354	91	691812	11.537	ppbv	97
59) m/p-Xylene	9.548	91	1124811m	23.471	ppbv	
60) o-Xylene	9.963	91	556987	11.631	ppbv	100
61) Styrene	9.869	104	236466	11.739	ppbv	99
62) Isopropylbenzene	10.539	105	810117	11.469	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	328751	10.693	ppbv	99
64) n-propylbenzene	10.989	120	218340	11.857	ppbv	98
65) tert-Butylbenzene	11.529	119	733198	11.686	ppbv	100
66) Benzyl Chloride	11.613	91	71791	13.938	ppbv	99
67) sec-Butylbenzene	11.765	105	1022370	11.457	ppbv	100
69) p-Isopropyltoluene	11.924	119	859339	11.810	ppbv	100
70) n-Butylbenzene	12.280	91	882919	12.562	ppbv	100
71) 2-Chlorotoluene	10.898	91	616427	11.381	ppbv	100
72) 4-Ethyltoluene	11.124	105	690989	12.083	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	570034	12.106	ppbv	99
74) 1,2,4-Trimethylbenzene	11.536	105	629983	12.264	ppbv	98
75) 1,3-Dichlorobenzene	11.607	146	415697	11.543	ppbv	98
76) 1,4-Dichlorobenzene	11.672	146	408005	11.578	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	395047	11.161	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	315657	9.853	ppbv	99
79) Naphthalene	13.510	128	605271	10.821	ppbv	98
80) Naphthalene,2-methyl-	14.455	142	236391	8.652	ppbv	97
81) 1,2,4-Trichlorobenzene	13.439	180	347712	11.052	ppbv	99

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

