

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080725\
 Data File : VL042826.D
 Acq On : 07 Aug 2025 10:28
 Operator : SY/MD
 Sample : VL0807ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0807ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/08/2025
 Supervised By : Mahesh Dadoda 08/11/2025

Quant Time: Aug 08 01:14:07 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 8 2025

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

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	163078	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	435612	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	401123	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 317585 9.998 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	221327	10.265	ppbv	100
3) Chlorodifluoromethane	1.473	51	282700	10.065	ppbv	99
4) Chloromethane	1.531	50	91182	10.453	ppbv	96
5) Vinyl Chloride	1.576	62	75928	8.810	ppbv	96
6) Bromomethane	1.664	94	34195	10.263	ppbv	97
7) Chloroethane	1.703	64	31294	9.398	ppbv	92
8) Dichlorotetrafluoroethane	1.551	85	178331	10.057	ppbv	95
9) Propene	1.483	41	89987	8.815	ppbv	99
10) Heptane	4.968	43	287803	10.456	ppbv	98
11) Trichlorofluoromethane	1.874	101	225426	10.143	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.136	101	172568	10.217	ppbv	100
13) Ethanol	1.719	45	8069	9.704	ppbv	97
14) Bromoethene	1.780	108	58076	9.712	ppbv	98
15) Acetone	1.832	43	187111	8.309	ppbv	99
16) 1,3-Butadiene	1.606	39	94575	9.846	ppbv	98
17) tert-Butyl alcohol	2.036	59	189179	9.315	ppbv	99
18) 1,1-Dichloroethene	2.030	96	72759	9.534	ppbv	93
19) Isopropyl Alcohol	1.881	45	112862	9.431	ppbv	96
20) Methylene Chloride	2.059	84	63646	8.969	ppbv	93
21) Allyl Chloride	2.091	41	140315	10.110	ppbv	99
22) trans-1,2-Dichloroethene	2.337	96	84334	10.273	ppbv	97
23) Vinyl Acetate	2.457	43	296210	10.850	ppbv	99
24) 1,1-Dichloroethane	2.405	63	171053	10.151	ppbv	99
25) Ethyl Acetate	2.826	43	515118	10.335	ppbv	100
26) Hexane	2.819	57	218093	9.974	ppbv	96
27) Carbon Disulfide	2.146	76	200363	10.704	ppbv	97
28) Methyl tert-Butyl Ether	2.434	73	96403	9.333	ppbv	99
29) Chloroform	2.842	83	357107	10.569	ppbv	99
30) Cyclohexane	3.849	84	182334	9.832	ppbv	95
31) cis-1,2-Dichloroethene	2.716	61	209844	9.339	ppbv	96
32) 1,1,1-Trichloroethane	3.360	97	336916	9.573	ppbv	99
34) 2-Butanone	2.551	43	332116	10.763	ppbv	100
35) Carbon Tetrachloride	3.755	117	368245	11.381	ppbv	96
36) Benzene	3.648	78	433049	10.489	ppbv	99
37) 1,2-Dichloroethane	3.211	62	270211	10.865	ppbv	99
38) Trichloroethene	4.538	130	193655	9.764	ppbv	94
39) 1,2-Dichloropropane	4.305	63	161290	10.584	ppbv	98
40) 1,4-Dioxane	4.574	88	63503	8.940	ppbv #	93
41) Tetrahydrofuran	3.046	42	171292	10.909	ppbv	97
42) Bromodichloromethane	4.480	83	372605	11.504	ppbv	99
43) Methyl Methacrylate	4.865	69	158894	10.828	ppbv	99
44) 2,2,4-Trimethylpentane	4.629	57	761571	11.318	ppbv	97
45) t-1,3-Dichloropropene	6.402	75	169903	10.325	ppbv #	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	217713	10.441	ppbv	97
47) 1,1,2-Trichloroethane	6.571	97	177555	10.930	ppbv	98
48) Dibromochloromethane	7.377	129	297112	11.521	ppbv	99
49) Bromoform	9.477	173	272013	12.097	ppbv	99
50) 4-Methyl-2-Pentanone	5.732	43	450417	11.332	ppbv	98
51) 2-Hexanone	7.425	43	364529	12.136	ppbv #	96
52) Tetrachloroethene	8.215	164	161270	9.424	ppbv	97
53) Toluene	6.920	91	472628	10.661	ppbv	100
54) 1,2-Dibromoethane	7.645	107	253899	11.062	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.917	131	232289	11.138	ppbv	99
57) Chlorobenzene	8.914	112	413000	10.639	ppbv #	96
58) Ethyl Benzene	9.348	91	689053	10.878	ppbv	97
59) m/p-Xylene	9.526	91	1184650m	23.401	ppbv	
60) o-Xylene	9.959	91	585863	11.581	ppbv	100
61) Styrene	9.866	104	231979	10.901	ppbv	100
62) Isopropylbenzene	10.532	105	849097	11.379	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.956	83	352721	10.861	ppbv	100
64) n-propylbenzene	10.985	120	230126	11.830	ppbv	98
65) tert-Butylbenzene	11.526	119	773412	11.669	ppbv	100
66) Benzyl Chloride	11.610	91	75088	13.800	ppbv	98
67) sec-Butylbenzene	11.762	105	1086111	11.522	ppbv	100
69) p-Isopropyltoluene	11.921	119	913994	11.891	ppbv	100
70) n-Butylbenzene	12.277	91	930859	12.537	ppbv	99
71) 2-Chlorotoluene	10.895	91	644792	11.270	ppbv	99
72) 4-Ethyltoluene	11.118	105	721006	11.935	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	604864	12.160	ppbv	99
74) 1,2,4-Trimethylbenzene	11.532	105	681545	12.559	ppbv	95
75) 1,3-Dichlorobenzene	11.600	146	431639	11.346	ppbv	100
76) 1,4-Dichlorobenzene	11.665	146	432007	11.605	ppbv	99
77) 1,2-Dichlorobenzene	11.940	146	425471	11.379	ppbv	98
78) Hexachloro-1,3-Butadiene	13.876	225	341222	10.083	ppbv	99
79) Naphthalene	13.507	128	630516	10.677	ppbv	99
80) Naphthalene,2-methyl-	14.452	142	218244	7.704	ppbv	98
81) 1,2,4-Trichlorobenzene	13.436	180	346617	10.453	ppbv	99

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

Manual Integrations

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