

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
 Data File : VL042511.D
 Acq On : 07 May 2025 11:06
 Operator : SY/MD
 Sample : VL0507ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2025
 Supervised By :Mahesh Dadoda 05/09/2025

Quant Time: May 08 01:23:11 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M

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

QLast Update : Fri May 02 03:16:31 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	80155	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	208881	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	176956	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 167060 10.183 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	127299	9.597	ppbv	100
3) Chlorodifluoromethane	1.476	51	135082	9.632	ppbv	99
4) Chloromethane	1.534	50	53037	9.567	ppbv	94
5) Vinyl Chloride	1.583	62	49875	8.935	ppbv	95
6) Bromomethane	1.670	94	24856	9.425	ppbv	91
7) Chloroethane	1.706	64	18795	9.119	ppbv	92
8) Dichlorotetrafluoroethane	1.557	85	107385	9.820	ppbv	99
9) Propene	1.486	41	42493	9.264	ppbv	95
10) Heptane	4.991	43	125573	10.554	ppbv	98
11) Trichlorofluoromethane	1.881	101	121762	9.948	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	96197	9.843	ppbv	100
13) Ethanol	1.722	45	6309	6.778	ppbv	91
14) Bromoethene	1.784	108	36257	10.049	ppbv	95
15) Acetone	1.839	43	116759	7.980	ppbv	99
16) 1,3-Butadiene	1.612	39	57835	8.962	ppbv	98
17) tert-Butyl alcohol	2.043	59	120383	9.338	ppbv	99
18) 1,1-Dichloroethene	2.036	96	43793	9.597	ppbv	96
19) Isopropyl Alcohol	1.887	45	74496	9.199	ppbv	100
20) Methylene Chloride	2.065	84	37612	8.550	ppbv	94
21) Allyl Chloride	2.098	41	89994	9.563	ppbv	99
22) trans-1,2-Dichloroethene	2.344	96	50958	9.561	ppbv	92
23) Vinyl Acetate	2.467	43	149633	10.715	ppbv #	97
24) 1,1-Dichloroethane	2.412	63	106094	9.758	ppbv	99
25) Ethyl Acetate	2.842	43	238853	10.195	ppbv	99
26) Hexane	2.829	57	105673	10.353	ppbv	97
27) Carbon Disulfide	2.153	76	121065	10.164	ppbv	94
28) Methyl tert-Butyl Ether	2.444	73	57519	9.380	ppbv	99
29) Chloroform	2.852	83	189716	9.919	ppbv	99
30) Cyclohexane	3.865	84	86645	10.154	ppbv	97
31) cis-1,2-Dichloroethene	2.725	61	115183	9.673	ppbv	95
32) 1,1,1-Trichloroethane	3.376	97	195392	9.416	ppbv	98
34) 2-Butanone	2.564	43	153448	10.156	ppbv	96
35) Carbon Tetrachloride	3.768	117	201424	10.615	ppbv	93
36) Benzene	3.664	78	212511	10.781	ppbv	94
37) 1,2-Dichloroethane	3.224	62	157621	10.375	ppbv	99
38) Trichloroethene	4.557	130	79141	10.528	ppbv	89
39) 1,2-Dichloropropane	4.324	63	75860	10.280	ppbv	86
40) 1,4-Dioxane	4.593	88	33386	9.662	ppbv #	100
41) Tetrahydrofuran	3.062	42	77674	10.818	ppbv	98
42) Bromodichloromethane	4.499	83	202705	10.920	ppbv	98
43) Methyl Methacrylate	4.888	69	80789	10.983	ppbv	99
44) 2,2,4-Trimethylpentane	4.651	57	356173	11.147	ppbv	98
45) t-1,3-Dichloropropene	6.425	75	107738	11.164	ppbv	98

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QLast Update : Fri May 02 03:16:31 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	122464	10.677	ppbv	97
47) 1,1,2-Trichloroethane	6.593	97	84225	10.407	ppbv #	90
48) Dibromochloromethane	7.396	129	145141	10.623	ppbv	98
49) Bromoform	9.490	173	124085	10.829	ppbv	99
50) 4-Methyl-2-Pentanone	5.765	43	207560	10.861	ppbv	98
51) 2-Hexanone	7.444	43	166786	10.916	ppbv #	98
52) Tetrachloroethene	8.234	164	69218	9.226	ppbv	88
53) Toluene	6.946	91	229456	10.998	ppbv	99
54) 1,2-Dibromoethane	7.665	107	128612	10.394	ppbv	91
56) 1,1,1,2-Tetrachloroethane	8.933	131	111354	10.655	ppbv	98
57) Chlorobenzene	8.930	112	189405	10.652	ppbv	93
58) Ethyl Benzene	9.364	91	336319	11.373	ppbv	97
59) m/p-Xylene	9.558	91	580701m	23.423	ppbv	
60) o-Xylene	9.972	91	292756	11.794	ppbv	99
61) Styrene	9.882	104	110807	11.962	ppbv	99
62) Isopropylbenzene	10.545	105	414427	11.575	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.969	83	185060	10.814	ppbv	99
64) n-propylbenzene	10.995	120	103184	11.792	ppbv	97
65) tert-Butylbenzene	11.539	119	369640	11.569	ppbv	99
66) Benzyl Chloride	11.620	91	48974	13.261	ppbv	99
67) sec-Butylbenzene	11.772	105	525917	11.582	ppbv	99
69) p-Isopropyltoluene	11.930	119	445496	11.645	ppbv	100
70) n-Butylbenzene	12.287	91	461764	11.676	ppbv	99
71) 2-Chlorotoluene	10.908	91	323858	11.532	ppbv	100
72) 4-Ethyltoluene	11.131	105	353861	12.091	ppbv	100
73) 1,3,5-Trimethylbenzene	11.212	105	302462	11.751	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	342795	11.008	ppbv	96
75) 1,3-Dichlorobenzene	11.613	146	192047	11.077	ppbv	98
76) 1,4-Dichlorobenzene	11.678	146	188933	11.515	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	184903	10.896	ppbv	100
78) Hexachloro-1,3-Butadiene	13.885	225	157495	9.294	ppbv	99
79) Naphthalene	13.520	128	313419	11.955	ppbv	96
80) Naphthalene,2-methyl-	14.462	142	234458	12.033	ppbv	100
81) 1,2,4-Trichlorobenzene	13.445	180	153936	11.010	ppbv	98

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

Manual Integrations

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