

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
 Data File : VL042077.D
 Acq On : 03 Mar 2025 15:19
 Operator : SY/MD
 Sample : VL0303ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/04/2025
 Supervised By :Mahesh Dadoda 03/05/2025

Quant Time: Mar 04 00:17:54 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	157956	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.959	114	356972	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.882	117	309763	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 242622 10.181 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	174930	10.650	ppbv	99
3) Chlorodifluoromethane	1.476	51	222297	9.683	ppbv	100
4) Chloromethane	1.531	50	62156	10.233	ppbv	97
5) Vinyl Chloride	1.580	62	59385	10.336	ppbv	100
6) Bromomethane	1.667	94	28458	10.402	ppbv	97
7) Chloroethane	1.703	64	24205	10.368	ppbv	93
8) Dichlorotetrafluoroethane	1.554	85	142918	10.584	ppbv	98
9) Propene	1.483	41	90270	9.652	ppbv	98
10) Heptane	4.978	43	279114	9.585	ppbv	97
11) Trichlorofluoromethane	1.878	101	191850	11.657	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	147601	11.243	ppbv	95
13) Ethanol	1.722	45	3648	6.145	ppbv	97
14) Bromoethene	1.780	108	48227	10.403	ppbv	100
15) Acetone	1.835	43	137515	9.858	ppbv	100
16) 1,3-Butadiene	1.609	39	64593	9.950	ppbv	97
17) tert-Butyl alcohol	2.039	59	167124	9.576	ppbv	100
18) 1,1-Dichloroethene	2.033	96	61659	10.394	ppbv	91
19) Isopropyl Alcohol	1.887	45	78936	9.851	ppbv	98
20) Methylene Chloride	2.062	84	52065	9.868	ppbv	96
21) Allyl Chloride	2.098	41	105683	10.486	ppbv	99
22) trans-1,2-Dichloroethene	2.340	96	70753	10.232	ppbv	93
23) Vinyl Acetate	2.463	43	74937	7.640	ppbv	98
24) 1,1-Dichloroethane	2.408	63	137183	10.661	ppbv	100
25) Ethyl Acetate	2.836	43	548497	9.824	ppbv	99
26) Hexane	2.826	57	207965	9.213	ppbv	92
27) Carbon Disulfide	2.149	76	168252	10.996	ppbv	99
28) Methyl tert-Butyl Ether	2.441	73	94112	8.374	ppbv	100
29) Chloroform	2.849	83	286765	9.439	ppbv	97
30) Cyclohexane	3.858	84	163145	8.905	ppbv	91
31) cis-1,2-Dichloroethene	2.722	61	199200	9.322	ppbv	97
32) 1,1,1-Trichloroethane	3.370	97	269140	9.133	ppbv	95
34) 2-Butanone	2.557	43	313084	11.258	ppbv	95
35) Carbon Tetrachloride	3.765	117	268731	10.917	ppbv	96
36) Benzene	3.658	78	390842	10.459	ppbv	96
37) 1,2-Dichloroethane	3.218	62	227067	10.959	ppbv	98
38) Trichloroethene	4.551	130	148971	9.762	ppbv	94
39) 1,2-Dichloropropane	4.315	63	151311	10.668	ppbv	96
40) 1,4-Dioxane	4.587	88	67241	10.385	ppbv #	91
41) Tetrahydrofuran	3.056	42	183578	11.172	ppbv	93
42) Bromodichloromethane	4.490	83	302583	10.839	ppbv	100
43) Methyl Methacrylate	4.881	69	150871	10.338	ppbv	91
44) 2,2,4-Trimethylpentane	4.638	57	718377	10.892	ppbv	98
45) t-1,3-Dichloropropene	6.415	75	139814	9.643	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	189075	10.077	ppbv	95
47) 1,1,2-Trichloroethane	6.587	97	146747	10.191	ppbv	97
48) Dibromochloromethane	7.390	129	229765	10.188	ppbv	99
49) Bromoform	9.487	173	205188	10.477	ppbv	98
50) 4-Methyl-2-Pentanone	5.752	43	434273	12.074	ppbv	95
51) 2-Hexanone	7.438	43	347904	14.054	ppbv #	96
52) Tetrachloroethene	8.225	164	128803	10.068	ppbv	97
53) Toluene	6.933	91	428586	10.262	ppbv	97
54) 1,2-Dibromoethane	7.652	107	199250	10.235	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.927	131	181131	10.346	ppbv	99
57) Chlorobenzene	8.924	112	328409	10.225	ppbv	98
58) Ethyl Benzene	9.357	91	596825	10.462	ppbv	100
59) m/p-Xylene	9.552	91	977538m	21.533	ppbv	
60) o-Xylene	9.966	91	488769	10.710	ppbv	100
61) Styrene	9.872	104	226533	10.558	ppbv	99
62) Isopropylbenzene	10.542	105	733758	10.735	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.963	83	327069	10.882	ppbv	99
64) n-propylbenzene	10.992	120	192573	10.741	ppbv	97
65) tert-Butylbenzene	11.532	119	643195	10.340	ppbv	98
66) Benzyl Chloride	11.617	91	39375	8.295	ppbv	98
67) sec-Butylbenzene	11.769	105	940060	10.567	ppbv	100
69) p-Isopropyltoluene	11.927	119	759761	10.734	ppbv	100
70) n-Butylbenzene	12.283	91	795433	11.010	ppbv	99
71) 2-Chlorotoluene	10.901	91	553780	10.510	ppbv	99
72) 4-Ethyltoluene	11.128	105	592316	10.629	ppbv	99
73) 1,3,5-Trimethylbenzene	11.206	105	508702	10.524	ppbv	98
74) 1,2,4-Trimethylbenzene	11.539	105	557804	10.248	ppbv	97
75) 1,3-Dichlorobenzene	11.610	146	328061	10.473	ppbv	98
76) 1,4-Dichlorobenzene	11.675	146	328671	10.568	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	324906	10.688	ppbv	100
78) Hexachloro-1,3-Butadiene	13.886	225	232449	9.827	ppbv	99
79) Naphthalene	13.517	128	503470	13.490	ppbv	98
80) Naphthalene,2-methyl-	14.462	142	184155	18.031	ppbv	97
81) 1,2,4-Trichlorobenzene	13.442	180	227832	10.954	ppbv	98

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

