

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
 Data File : VL042117.D
 Acq On : 10 Mar 2025 10:52
 Operator : SY/MD
 Sample : VL0310ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/11/2025
 Supervised By :Mahesh Dadoda 03/11/2025

Quant Time: Mar 11 01:21:56 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	2.797	49	168824	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	400351	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	350466	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.387 95 286905 10.641 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	178551	10.171	ppbv	97
3) Chlorodifluoromethane	1.479	51	214564	8.745	ppbv	98
4) Chloromethane	1.538	50	65373	10.070	ppbv	96
5) Vinyl Chloride	1.583	62	63789	10.387	ppbv	98
6) Bromomethane	1.670	94	30397	10.395	ppbv	97
7) Chloroethane	1.709	64	25907	10.383	ppbv	90
8) Dichlorotetrafluoroethane	1.557	85	147392	10.213	ppbv	99
9) Propene	1.486	41	84908	8.494	ppbv	98
10) Heptane	5.001	43	253371	8.141	ppbv	100
11) Trichlorofluoromethane	1.884	101	188256	10.702	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.146	101	134259	9.568	ppbv	95
13) Ethanol	1.729	45	3976	6.266	ppbv	93
14) Bromoethene	1.787	108	50688	10.230	ppbv	100
15) Acetone	1.842	43	145391	9.752	ppbv	99
16) 1,3-Butadiene	1.612	39	70201	10.118	ppbv	98
17) tert-Butyl alcohol	2.046	59	159331	8.542	ppbv	99
18) 1,1-Dichloroethene	2.039	96	59693	9.415	ppbv	100
19) Isopropyl Alcohol	1.890	45	79215	9.250	ppbv	93
20) Methylene Chloride	2.068	84	55851	9.904	ppbv	98
21) Allyl Chloride	2.104	41	103366	9.596	ppbv	96
22) trans-1,2-Dichloroethene	2.347	96	73354	9.925	ppbv	95
23) Vinyl Acetate	2.470	43	75186	7.172	ppbv #	97
24) 1,1-Dichloroethane	2.415	63	138556	10.075	ppbv	99
25) Ethyl Acetate	2.845	43	511525	8.572	ppbv	100
26) Hexane	2.836	57	204595	8.480	ppbv	98
27) Carbon Disulfide	2.156	76	158957	9.720	ppbv	98
28) Methyl tert-Butyl Ether	2.450	73	102132	8.503	ppbv	99
29) Chloroform	2.858	83	277421	8.544	ppbv	98
30) Cyclohexane	3.871	84	152583	7.792	ppbv	94
31) cis-1,2-Dichloroethene	2.732	61	179418	7.856	ppbv	98
32) 1,1,1-Trichloroethane	3.379	97	249329	7.916	ppbv	95
34) 2-Butanone	2.567	43	284384	9.118	ppbv	97
35) Carbon Tetrachloride	3.777	117	262027	9.491	ppbv	95
36) Benzene	3.671	78	374551	8.937	ppbv	96
37) 1,2-Dichloroethane	3.230	62	201838	8.686	ppbv	100
38) Trichloroethene	4.564	130	143616	8.392	ppbv	98
39) 1,2-Dichloropropane	4.331	63	141729	8.909	ppbv	99
40) 1,4-Dioxane	4.603	88	60426	8.321	ppbv #	88
41) Tetrahydrofuran	3.069	42	160858	8.728	ppbv	97
42) Bromodichloromethane	4.509	83	283730	9.063	ppbv	95
43) Methyl Methacrylate	4.900	69	137403	8.395	ppbv	97
44) 2,2,4-Trimethylpentane	4.661	57	675434	9.131	ppbv	99
45) t-1,3-Dichloropropene	6.438	75	123548	7.598	ppbv	94

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

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	169656	8.063	ppbv	98
47) 1,1,2-Trichloroethane	6.603	97	144144	8.925	ppbv	95
48) Dibromochloromethane	7.402	129	226388	8.951	ppbv	99
49) Bromoform	9.496	173	201809	9.188	ppbv	98
50) 4-Methyl-2-Pentanone	5.781	43	387370	9.603	ppbv	97
51) 2-Hexanone	7.454	43	305577	11.007	ppbv #	97
52) Tetrachloroethene	8.241	164	120494	8.398	ppbv	92
53) Toluene	6.952	91	396095	8.456	ppbv	97
54) 1,2-Dibromoethane	7.671	107	190659	8.732	ppbv	92
56) 1,1,1,2-Tetrachloroethane	8.940	131	183026	9.240	ppbv	100
57) Chlorobenzene	8.937	112	336406	9.258	ppbv	95
58) Ethyl Benzene	9.370	91	554446	8.590	ppbv	98
59) m/p-Xylene	9.564	91	925654m	18.022	ppbv	
60) o-Xylene	9.976	91	467382	9.052	ppbv	98
61) Styrene	9.885	104	205606	8.469	ppbv	97
62) Isopropylbenzene	10.552	105	692094	8.950	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.976	83	323193	9.504	ppbv	100
64) n-propylbenzene	11.002	120	184209	9.081	ppbv	99
65) tert-Butylbenzene	11.542	119	620355	8.814	ppbv	99
66) Benzyl Chloride	11.626	91	38948	7.252	ppbv	99
67) sec-Butylbenzene	11.778	105	900003	8.942	ppbv	99
69) p-Isopropyltoluene	11.937	119	732332	9.145	ppbv	99
70) n-Butylbenzene	12.293	91	752707	9.208	ppbv	99
71) 2-Chlorotoluene	10.914	91	514130	8.624	ppbv	99
72) 4-Ethyltoluene	11.137	105	562308	8.919	ppbv	100
73) 1,3,5-Trimethylbenzene	11.215	105	480973	8.795	ppbv	100
74) 1,2,4-Trimethylbenzene	11.549	105	538676	8.747	ppbv	99
75) 1,3-Dichlorobenzene	11.620	146	318968	9.000	ppbv	99
76) 1,4-Dichlorobenzene	11.684	146	315833	8.976	ppbv	99
77) 1,2-Dichlorobenzene	11.960	146	319838	9.299	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	219090	8.187	ppbv	99
79) Naphthalene	13.523	128	472554	11.191	ppbv	100
80) Naphthalene,2-methyl-	14.468	142	153727	13.304	ppbv	97
81) 1,2,4-Trichlorobenzene	13.452	180	210585	8.949	ppbv	99

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

