

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
 Data File : VL042314.D
 Acq On : 11 Apr 2025 11:23
 Operator : SY/MD
 Sample : VL0411ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0411ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025
 Supervised By :Mahesh Dadoda 04/17/2025

Quant Time: Apr 11 22:57:41 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	178456	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	444353	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	386060	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 314180 9.910 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	260154	9.873	ppbv	99
3) Chlorodifluoromethane	1.473	51	278310	10.339	ppbv	99
4) Chloromethane	1.531	50	109906	10.207	ppbv	97
5) Vinyl Chloride	1.577	62	99540	8.723	ppbv	96
6) Bromomethane	1.667	94	43354	8.884	ppbv	99
7) Chloroethane	1.703	64	40372	9.340	ppbv	100
8) Dichlorotetrafluoroethane	1.551	85	219210	9.769	ppbv	94
9) Propene	1.483	41	109077	8.841	ppbv	98
10) Heptane	4.975	43	325268	9.912	ppbv	98
11) Trichlorofluoromethane	1.874	101	247344	9.647	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	191456	9.085	ppbv	97
13) Ethanol	1.719	45	4928	4.225	ppbv	95
14) Bromoethene	1.780	108	70702	8.758	ppbv	99
15) Acetone	1.832	43	228988	9.175	ppbv	95
16) 1,3-Butadiene	1.606	39	110429	9.060	ppbv	97
17) tert-Butyl alcohol	2.039	59	243034	7.818	ppbv	100
18) 1,1-Dichloroethene	2.030	96	83233	8.449	ppbv	97
19) Isopropyl Alcohol	1.884	45	118345	8.404	ppbv #	34
20) Methylene Chloride	2.059	84	75264	8.097	ppbv	93
21) Allyl Chloride	2.094	41	157261	8.934	ppbv	98
22) trans-1,2-Dichloroethene	2.337	96	98769	8.674	ppbv	96
23) Vinyl Acetate	2.460	43	86563	8.014	ppbv	98
24) 1,1-Dichloroethane	2.405	63	206840	9.800	ppbv	99
25) Ethyl Acetate	2.836	43	656719	10.138	ppbv	99
26) Hexane	2.823	57	249860	9.986	ppbv	98
27) Carbon Disulfide	2.146	76	236998	8.833	ppbv	99
28) Methyl tert-Butyl Ether	2.438	73	122818	7.884	ppbv	97
29) Chloroform	2.845	83	384713	10.506	ppbv	100
30) Cyclohexane	3.852	84	196133	9.028	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	233371	9.187	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	370405	8.836	ppbv	98
34) 2-Butanone	2.554	43	362633	11.254	ppbv	98
35) Carbon Tetrachloride	3.758	117	389738	11.228	ppbv	99
36) Benzene	3.654	78	490339	11.131	ppbv	96
37) 1,2-Dichloroethane	3.214	62	290983	11.538	ppbv	100
38) Trichloroethene	4.545	130	195654	10.645	ppbv	99
39) 1,2-Dichloropropane	4.312	63	179954	11.217	ppbv	91
40) 1,4-Dioxane	4.580	88	80106	9.408	ppbv #	83
41) Tetrahydrofuran	3.052	42	202793	10.930	ppbv	94
42) Bromodichloromethane	4.486	83	405729	11.669	ppbv	97
43) Methyl Methacrylate	4.875	69	177423	9.514	ppbv	98
44) 2,2,4-Trimethylpentane	4.635	57	850971	11.431	ppbv	97
45) t-1,3-Dichloropropene	6.412	75	166246	8.309	ppbv	93

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	225952	9.213	ppbv	99
47) 1,1,2-Trichloroethane	6.580	97	198762	11.720	ppbv	97
48) Dibromochloromethane	7.383	129	321370	11.181	ppbv	100
49) Bromoform	9.480	173	291905	11.313	ppbv	99
50) 4-Methyl-2-Pentanone	5.749	43	514910	10.084	ppbv	95
51) 2-Hexanone	7.435	43	414681	9.889	ppbv #	94
52) Tetrachloroethene	8.221	164	165666	9.483	ppbv	96
53) Toluene	6.933	91	526341	10.079	ppbv	99
54) 1,2-Dibromoethane	7.649	107	264126	11.172	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.924	131	271061	12.755	ppbv	97
57) Chlorobenzene	8.921	112	457204	12.486	ppbv	96
58) Ethyl Benzene	9.354	91	761549	11.105	ppbv	98
59) m/p-Xylene	9.548	91	1323517m	24.171	ppbv	
60) o-Xylene	9.963	91	654791	11.929	ppbv	96
61) Styrene	9.869	104	284318	10.470	ppbv	98
62) Isopropylbenzene	10.539	105	975799	11.887	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.963	83	440972	13.222	ppbv	100
64) n-propylbenzene	10.989	120	264518	12.518	ppbv	96
65) tert-Butylbenzene	11.529	119	908946	11.973	ppbv	99
66) Benzyl Chloride	11.617	91	69548	8.634	ppbv	98
67) sec-Butylbenzene	11.765	105	1300090	12.320	ppbv	100
69) p-Isopropyltoluene	11.924	119	1095041	12.051	ppbv	98
70) n-Butylbenzene	12.280	91	1129853	12.159	ppbv	100
71) 2-Chlorotoluene	10.901	91	749737	11.768	ppbv	99
72) 4-Ethyltoluene	11.125	105	825037	12.071	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	711175	11.914	ppbv	99
74) 1,2,4-Trimethylbenzene	11.536	105	816505	11.873	ppbv	91
75) 1,3-Dichlorobenzene	11.607	146	484099	12.835	ppbv	98
76) 1,4-Dichlorobenzene	11.672	146	485460	12.933	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	485421	13.218	ppbv	98
78) Hexachloro-1,3-Butadiene	13.882	225	366850	9.814	ppbv	99
79) Naphthalene	13.513	128	820200	10.904	ppbv	100
80) Naphthalene,2-methyl-	14.455	142	274227	7.434	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	373404	10.762	ppbv	99

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

