

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041825\
 Data File : VL042385.D
 Acq On : 18 Apr 2025 11:38
 Operator : SY/MD
 Sample : VL0418ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0418ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/21/2025
 Supervised By :Mahesh Dadoda 04/21/2025

Quant Time: Apr 18 22:56:38 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	137596	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	421834	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	371546	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.371 95 306062 10.024 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	226018	9.297	ppbv	97
3) Chlorodifluoromethane	1.473	51	188655	8.149	ppbv	97
4) Chloromethane	1.531	50	83080	8.636	ppbv	98
5) Vinyl Chloride	1.577	62	79548	7.596	ppbv	97
6) Bromomethane	1.664	94	38033	8.454	ppbv	90
7) Chloroethane	1.703	64	31293	8.263	ppbv	90
8) Dichlorotetrafluoroethane	1.551	85	190713	9.137	ppbv	98
9) Propene	1.483	41	72956	6.920	ppbv	99
10) Heptane	4.972	43	201993	6.820	ppbv	98
11) Trichlorofluoromethane	1.874	101	219477	9.494	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.137	101	167879	8.881	ppbv	97
13) Ethanol	1.719	45	3800	2.268	ppbv	96
14) Bromoethene	1.777	108	65024	9.126	ppbv	99
15) Acetone	1.832	43	164938	7.322	ppbv	98
16) 1,3-Butadiene	1.606	39	81350	7.551	ppbv	94
17) tert-Butyl alcohol	2.036	59	228926	8.201	ppbv	99
18) 1,1-Dichloroethene	2.030	96	76914	8.710	ppbv	98
19) Isopropyl Alcohol	1.884	45	103131	8.242	ppbv	99
20) Methylene Chloride	2.059	84	64925	7.360	ppbv	93
21) Allyl Chloride	2.091	41	123726	7.955	ppbv	98
22) trans-1,2-Dichloroethene	2.337	96	87708	8.723	ppbv	92
23) Vinyl Acetate	2.457	43	60750	6.663	ppbv #	96
24) 1,1-Dichloroethane	2.405	63	169635	8.882	ppbv	98
25) Ethyl Acetate	2.832	43	426071	7.672	ppbv	100
26) Hexane	2.823	57	170131	7.570	ppbv	97
27) Carbon Disulfide	2.146	76	208766	8.676	ppbv	98
28) Methyl tert-Butyl Ether	2.434	73	122891	8.345	ppbv	93
29) Chloroform	2.845	83	290070	9.131	ppbv	99
30) Cyclohexane	3.849	84	147689	8.129	ppbv	96
31) cis-1,2-Dichloroethene	2.716	61	184087	8.615	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	317651	8.882	ppbv	99
34) 2-Butanone	2.554	43	240467	7.208	ppbv	98
35) Carbon Tetrachloride	3.755	117	326652	8.556	ppbv	95
36) Benzene	3.651	78	349571	7.683	ppbv	96
37) 1,2-Dichloroethane	3.214	62	236222	8.650	ppbv	97
38) Trichloroethene	4.538	130	150355	7.561	ppbv	97
39) 1,2-Dichloropropane	4.305	63	122577	7.229	ppbv	94
40) 1,4-Dioxane	4.577	88	63539	6.819	ppbv #	91
41) Tetrahydrofuran	3.049	42	133932	6.885	ppbv	100
42) Bromodichloromethane	4.480	83	324378	8.535	ppbv	98
43) Methyl Methacrylate	4.875	69	142005	6.925	ppbv	97
44) 2,2,4-Trimethylpentane	4.635	57	567587	7.223	ppbv	97
45) t-1,3-Dichloropropene	6.406	75	159210	7.601	ppbv	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	192875	7.523	ppbv	90
47) 1,1,2-Trichloroethane	6.574	97	141009	8.163	ppbv	97
48) Dibromochloromethane	7.380	129	267219	8.756	ppbv	99
49) Bromoform	9.477	173	235451	8.823	ppbv	99
50) 4-Methyl-2-Pentanone	5.742	43	357049	6.440	ppbv	100
51) 2-Hexanone	7.432	43	284839	5.729	ppbv	98
52) Tetrachloroethene	8.218	164	134768	7.663	ppbv	97
53) Toluene	6.924	91	416429	7.627	ppbv	100
54) 1,2-Dibromoethane	7.645	107	202809	8.204	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.917	131	204475	9.093	ppbv	97
57) Chlorobenzene	8.917	112	326071	8.438	ppbv	98
58) Ethyl Benzene	9.351	91	597552	8.117	ppbv	97
59) m/p-Xylene	9.545	91	974158m	16.427	ppbv	
60) o-Xylene	9.960	91	489890	8.203	ppbv	98
61) Styrene	9.866	104	232960	8.173	ppbv	99
62) Isopropylbenzene	10.536	105	734342	8.376	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.960	83	282429	7.298	ppbv	99
64) n-propylbenzene	10.986	120	184746	8.383	ppbv	96
65) tert-Butylbenzene	11.529	119	665320	8.256	ppbv	92
66) Benzyl Chloride	11.610	91	55103	6.223	ppbv	94
67) sec-Butylbenzene	11.766	105	911164	8.129	ppbv	98
69) p-Isopropyltoluene	11.921	119	799331	8.209	ppbv	99
70) n-Butylbenzene	12.277	91	817538	8.061	ppbv	99
71) 2-Chlorotoluene	10.895	91	562487	8.180	ppbv	98
72) 4-Ethyltoluene	11.121	105	602711	8.256	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	524369	8.135	ppbv	100
74) 1,2,4-Trimethylbenzene	11.533	105	583351	7.749	ppbv #	91
75) 1,3-Dichlorobenzene	11.604	146	335533	8.575	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	335101	8.520	ppbv	99
77) 1,2-Dichlorobenzene	11.944	146	319466	8.396	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	329813	8.584	ppbv	99
79) Naphthalene	13.510	128	691058	7.676	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	380016	7.407	ppbv	99
81) 1,2,4-Trichlorobenzene	13.436	180	325017	8.408	ppbv	100

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

