

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101725\
 Data File : VL043133.D
 Acq On : 17 Oct 2025 09:49
 Operator : SY/MD
 Sample : VL1017ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01

Quant Time: Oct 18 04:33:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.791	49	88592	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	276774	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	241870	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.381	95	200910	10.687	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	142819	11.340	ppbv	100
3) Chlorodifluoromethane	1.480	51	129952	9.536	ppbv #	91
4) Chloromethane	1.535	50	48078	9.636	ppbv	99
5) Vinyl Chloride	1.583	62	49874	10.191	ppbv	99
6) Bromomethane	1.671	94	28972	10.796	ppbv	98
7) Chloroethane	1.710	64	19486	9.739	ppbv	99
8) Dichlorotetrafluoroethane	1.557	85	112910	11.092	ppbv	97
9) Propene	1.486	41	47629	7.881	ppbv	99
10) Heptane	4.988	43	138994	7.989	ppbv	96
11) Trichlorofluoromethane	1.881	101	150908	12.249	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	114181	11.512	ppbv	99
13) Ethanol	1.726	45	17621	7.882	ppbv	99
14) Bromoethene	1.784	108	40294	10.936	ppbv	97
15) Acetone	1.839	43	113498	9.505	ppbv	98
16) 1,3-Butadiene	1.612	39	55022	9.669	ppbv	99
17) tert-Butyl alcohol	2.043	59	174129	10.624	ppbv	98
18) 1,1-Dichloroethene	2.040	96	48618	11.244	ppbv	90
19) Isopropyl Alcohol	1.888	45	73421	9.872	ppbv	99
20) Methylene Chloride	2.066	84	44228	9.370	ppbv	96
21) Allyl Chloride	2.101	41	89272	10.146	ppbv	93
22) trans-1,2-Dichloroethene	2.344	96	57909	11.204	ppbv	98
23) Vinyl Acetate	2.467	43	175239	10.019	ppbv	97
24) 1,1-Dichloroethane	2.415	63	112208	11.236	ppbv	99
25) Ethyl Acetate	2.839	43	265111	8.953	ppbv	99
26) Hexane	2.833	57	123059	9.019	ppbv	97
27) Carbon Disulfide	2.156	76	137304	10.983	ppbv	96
28) Methyl tert-Butyl Ether	2.444	73	67625	10.894	ppbv	97
29) Chloroform	2.852	83	213292	10.788	ppbv	98
30) Cyclohexane	3.862	84	107580	9.034	ppbv	92
31) cis-1,2-Dichloroethene	2.726	61	134906	10.354	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	223110	10.837	ppbv	99
34) 2-Butanone	2.558	43	174930	9.403	ppbv	96
35) Carbon Tetrachloride	3.768	117	230725	11.595	ppbv	97
36) Benzene	3.664	78	254588	9.766	ppbv	98
37) 1,2-Dichloroethane	3.224	62	174277	11.605	ppbv	96
38) Trichloroethene	4.555	130	98828	9.078	ppbv	95
39) 1,2-Dichloropropane	4.322	63	88716	9.309	ppbv	91
40) 1,4-Dioxane	4.587	88	40336	9.458	ppbv #	94
41) Tetrahydrofuran	3.056	42	87781	8.436	ppbv	94
42) Bromodichloromethane	4.496	83	234007	11.259	ppbv	100
43) Methyl Methacrylate	4.885	69	124049	9.369	ppbv	94
44) 2,2,4-Trimethylpentane	4.645	57	404458	9.196	ppbv	97
45) t-1,3-Dichloropropene	6.419	75	133701	10.063	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	154637m	9.743	ppbv	
47) 1,1,2-Trichloroethane	6.587	97	99146	9.634	ppbv	95
48) Dibromochloromethane	7.390	129	177716	10.328	ppbv	100
49) Bromoform	9.487	173	141493	10.116	ppbv	100
50) 4-Methyl-2-Pentanone	5.752	43	220700	8.596	ppbv	98
51) 2-Hexanone	7.442	43	167255	8.685	ppbv #	100
52) Tetrachloroethene	8.228	164	85968	9.145	ppbv	95
53) Toluene	6.940	91	289286	9.350	ppbv	100
54) 1,2-Dibromoethane	7.658	107	156166	9.688	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.927	131	159796	10.480	ppbv	98
57) Chlorobenzene	8.927	112	215135	9.508	ppbv	91
58) Ethyl Benzene	9.361	91	406807	9.800	ppbv	95
59) m/p-Xylene	9.555	91	662450m	20.008	ppbv	
60) o-Xylene	9.969	91	327790	10.024	ppbv	98
61) Styrene	9.876	104	138547	9.386	ppbv	97
62) Isopropylbenzene	10.542	105	589869	9.983	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	201710	9.212	ppbv	99
64) n-propylbenzene	10.992	120	146120	9.341	ppbv	86
65) tert-Butylbenzene	11.536	119	495805	9.502	ppbv	93
66) Benzyl Chloride	11.617	91	50468	8.690	ppbv	99
67) sec-Butylbenzene	11.772	105	720069	9.724	ppbv	97
69) p-Isopropyltoluene	11.931	119	602757	9.578	ppbv	97
70) n-Butylbenzene	12.284	91	623511	10.055	ppbv	98
71) 2-Chlorotoluene	10.905	91	446868	9.916	ppbv	98
72) 4-Ethyltoluene	11.128	105	401046	9.974	ppbv	97
73) 1,3,5-Trimethylbenzene	11.206	105	337470	10.177	ppbv	91
74) 1,2,4-Trimethylbenzene	11.539	105	364871	9.833	ppbv	93
75) 1,3-Dichlorobenzene	11.610	146	204002	9.479	ppbv	98
76) 1,4-Dichlorobenzene	11.675	146	208969	9.629	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	195406	9.385	ppbv	98
78) Hexachloro-1,3-Butadiene	13.886	225	140542	8.718	ppbv	99
79) Naphthalene	13.517	128	361506	9.321	ppbv	98
80) Naphthalene,2-methyl-	14.462	142	109059	10.793	ppbv	97
81) 1,2,4-Trichlorobenzene	13.442	180	151819	9.431	ppbv	99

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

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