

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092425\
 Data File : VL043003.D
 Acq On : 24 Sep 2025 10:47
 Operator : SY/MD
 Sample : VL0924ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABS01

Quant Time: Sep 25 01:52:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 23 02:39:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	150936	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	449573	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	405131	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	314184	10.389	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	219688	10.821	ppbv	99
3) Chlorodifluoromethane	1.476	51	255095	10.082	ppbv	97
4) Chloromethane	1.534	50	89265	9.714	ppbv	99
5) Vinyl Chloride	1.583	62	78179	9.411	ppbv	96
6) Bromomethane	1.670	94	29783	10.164	ppbv	94
7) Chloroethane	1.706	64	30943	9.593	ppbv	96
8) Dichlorotetrafluoroethane	1.557	85	180234	10.400	ppbv	90
9) Propene	1.486	41	94701	8.603	ppbv	95
10) Heptane	4.985	43	274374	9.340	ppbv	100
11) Trichlorofluoromethane	1.877	101	221460	11.314	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.140	101	177315	11.186	ppbv	90
13) Ethanol	1.722	45	6747	6.319	ppbv	95
14) Bromoethene	1.784	108	63818	10.649	ppbv	100
15) Acetone	1.835	43	164292	8.357	ppbv	98
16) 1,3-Butadiene	1.609	39	80632	8.695	ppbv	99
17) tert-Butyl alcohol	2.042	59	177016	8.210	ppbv	99
18) 1,1-Dichloroethene	2.036	96	76322	10.402	ppbv	93
19) Isopropyl Alcohol	1.887	45	103468	8.755	ppbv #	39
20) Methylene Chloride	2.062	84	67676	11.658	ppbv	96
21) Allyl Chloride	2.098	41	128489	9.385	ppbv	97
22) trans-1,2-Dichloroethene	2.344	96	87647	10.513	ppbv	92
23) Vinyl Acetate	2.463	43	263532	9.384	ppbv	98
24) 1,1-Dichloroethane	2.411	63	169220	10.350	ppbv	98
25) Ethyl Acetate	2.835	43	479080	9.642	ppbv	99
26) Hexane	2.829	57	212295	9.374	ppbv	99
27) Carbon Disulfide	2.153	76	204686	10.077	ppbv	98
28) Methyl tert-Butyl Ether	2.441	73	102709	8.724	ppbv	94
29) Chloroform	2.852	83	327227	11.050	ppbv	100
30) Cyclohexane	3.861	84	181395	9.579	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	210432	9.918	ppbv	98
32) 1,1,1-Trichloroethane	3.370	97	318480	9.957	ppbv	99
34) 2-Butanone	2.557	43	311605	9.890	ppbv	100
35) Carbon Tetrachloride	3.764	117	349345	11.936	ppbv	98
36) Benzene	3.661	78	428947	10.160	ppbv	99
37) 1,2-Dichloroethane	3.221	62	245698	11.066	ppbv	98
38) Trichloroethene	4.554	130	219940	10.483	ppbv	98
39) 1,2-Dichloropropane	4.315	63	159234	10.332	ppbv	92
40) 1,4-Dioxane	4.586	88	68528	9.562	ppbv #	97
41) Tetrahydrofuran	3.056	42	170739	9.428	ppbv	99
42) Bromodichloromethane	4.493	83	348397	11.267	ppbv #	98
43) Methyl Methacrylate	4.884	69	162155	9.388	ppbv	96
44) 2,2,4-Trimethylpentane	4.645	57	722416	9.907	ppbv	97
45) t-1,3-Dichloropropene	6.418	75	167990	9.119	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	223077	9.502	ppbv	98
47) 1,1,2-Trichloroethane	6.583	97	174093	10.691	ppbv	96
48) Dibromochloromethane	7.393	129	309350	11.874	ppbv	98
49) Bromoform	9.487	173	279638	12.339	ppbv	99
50) 4-Methyl-2-Pentanone	5.752	43	423045	10.018	ppbv	99
51) 2-Hexanone	7.438	43	331885	9.860	ppbv #	97
52) Tetrachloroethene	8.231	164	177496	10.866	ppbv	93
53) Toluene	6.936	91	493280	9.872	ppbv	99
54) 1,2-Dibromoethane	7.658	107	247778	10.810	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.930	131	230977	11.911	ppbv	100
57) Chlorobenzene	8.927	112	408572	11.047	ppbv	95
58) Ethyl Benzene	9.361	91	688808	10.354	ppbv	99
59) m/p-Xylene	9.555	91	1110641m	21.176	ppbv	
60) o-Xylene	9.969	91	560366	10.690	ppbv	99
61) Styrene	9.875	104	247781	9.993	ppbv	98
62) Isopropylbenzene	10.542	105	830044	10.623	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	292156	10.604	ppbv	100
64) n-propylbenzene	10.992	120	224888	11.015	ppbv	95
65) tert-Butylbenzene	11.536	119	768130	11.053	ppbv	97
66) Benzyl Chloride	11.616	91	44429	6.093	ppbv	99
67) sec-Butylbenzene	11.769	105	1052693	10.871	ppbv	99
69) p-Isopropyltoluene	11.927	119	898046	10.978	ppbv	99
70) n-Butylbenzene	12.283	91	867870	10.867	ppbv	99
71) 2-Chlorotoluene	10.904	91	617343	10.464	ppbv	98
72) 4-Ethyltoluene	11.128	105	705375	10.744	ppbv	100
73) 1,3,5-Trimethylbenzene	11.205	105	584573	10.979	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	654965	11.139	ppbv	95
75) 1,3-Dichlorobenzene	11.610	146	432617	11.863	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	425397	11.746	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	414086	11.935	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	344475	12.694	ppbv	98
79) Naphthalene	13.516	128	607495	11.684	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	153210	9.539	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	354007	12.734	ppbv	99

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

