

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR100325\
 Data File : VR026776.D
 Acq On : 3 Oct 2025 16:15
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
 Supervised By :Semsettin Yesilyurt 10/06/2025

Quant Time: Oct 04 04:32:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\82R100325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 04 04:30:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.772	168	1299040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.747	114	2118206	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.903	117	2039952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.106	152	1432235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	139094	8.907	ug/l	0.00
Spiked Amount 50.000			Recovery	=	17.820%	
35) Dibromofluoromethane	7.696	113	104558	8.967	ug/l	0.00
Spiked Amount 50.000			Recovery	=	17.940%	
50) Toluene-d8	10.410	98	427634	8.869	ug/l	0.00
Spiked Amount 50.000			Recovery	=	17.740%	
62) 4-Bromofluorobenzene	13.031	95	193674	9.144	ug/l	0.00
Spiked Amount 50.000			Recovery	=	18.280%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.973	85	105407	8.473	ug/l	99
3) Chloromethane	2.184	50	167586	9.915	ug/l	98
4) Vinyl Chloride	2.314	62	118404	9.911	ug/l	96
5) Bromomethane	2.654	94	31604	8.494	ug/l	89
6) Chloroethane	2.772	64	54511	8.244	ug/l	98
7) Trichlorofluoromethane	3.113	101	190741	9.364	ug/l	96
8) Diethyl Ether	3.548	74	93235	10.083	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.877	101	120802	9.725	ug/l	98
10) Methyl Iodide	4.070	142	125992	9.413	ug/l	98
11) Tert butyl alcohol	4.958	59	215194	56.756	ug/l	97
12) 1,1-Dichloroethene	3.853	96	122445	9.397	ug/l	94
13) Acrolein	3.736	56	216433	56.337	ug/l	99
14) Allyl chloride	4.441	41	256422	9.554	ug/l	99
15) Acrylonitrile	5.110	53	509322	49.687	ug/l	100
16) Acetone	3.959	43	559996	53.917	ug/l	96
17) Carbon Disulfide	4.170	76	252528	8.388	ug/l	100
18) Methyl Acetate	4.464	43	245012	9.803	ug/l	100
19) Methyl tert-butyl Ether	5.193	73	438650	9.782	ug/l #	90
20) Methylene Chloride	4.664	84	164149	10.363	ug/l	97
21) trans-1,2-Dichloroethene	5.157	96	134663	9.551	ug/l	96
22) Diisopropyl ether	6.074	45	511868	10.042	ug/l	99
23) Vinyl Acetate	5.998	43	1884796	54.980	ug/l #	92
24) 1,1-Dichloroethane	5.945	63	251088	9.809	ug/l	98
25) 2-Butanone	6.949	43	786740	53.144	ug/l	99
26) 2,2-Dichloropropane	6.932	77	175746	9.462	ug/l	99
27) cis-1,2-Dichloroethene	6.932	96	161894	9.957	ug/l	98
28) Bromochloromethane	7.296	49	126562	9.902	ug/l #	98
29) Tetrahydrofuran	7.331	42	488394	50.689	ug/l	98
30) Chloroform	7.472	83	241934	9.834	ug/l	91
31) Cyclohexane	7.778	56	268518	10.031	ug/l #	84
32) 1,1,1-Trichloroethane	7.690	97	194667	9.386	ug/l	98
36) 1,1-Dichloropropene	7.919	75	181946	9.686	ug/l	99
37) Ethyl Acetate	7.038	43	272171	9.932	ug/l	99
38) Carbon Tetrachloride	7.901	117	155194	9.413	ug/l	96
39) Methylcyclohexane	9.300	83	233732	9.716	ug/l	94
40) Benzene	8.177	78	583360	9.924	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.267	41	149780	10.200	ug/l	99
42) 1,2-Dichloroethane	8.254	62	187488	9.707	ug/l	99
43) Isopropyl Acetate	8.307	43	369906	9.613	ug/l	100
44) Trichloroethene	9.029	130	137996	9.460	ug/l	93
45) 1,2-Dichloropropane	9.329	63	136975	9.906	ug/l	99
46) Dibromomethane	9.429	93	88015	9.552	ug/l	95
47) Bromodichloromethane	9.640	83	163444	9.268	ug/l #	98
48) Methyl methacrylate	9.417	41	196723	9.901	ug/l	97
49) 1,4-Dioxane	9.429	88	96826	205.796	ug/l	95
51) 4-Methyl-2-Pentanone	10.293	43	1396602	55.186	ug/l	90
52) Toluene	10.487	92	375596	9.803	ug/l	98
53) t-1,3-Dichloropropene	10.733	75	186328	9.388	ug/l	95
54) cis-1,3-Dichloropropene	10.128	75	198503	9.523	ug/l	96
55) 1,1,2-Trichloroethane	10.939	97	133879	9.883	ug/l	95
56) Ethyl methacrylate	10.786	69	248864	9.895	ug/l	97
57) 1,3-Dichloropropane	11.104	76	238126	9.702	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.964	63	113941	49.403	ug/l	99
59) 2-Hexanone	11.150	43	1211955	55.496	ug/l	92
60) Dibromochloromethane	11.327	129	123052	9.410	ug/l	98
61) 1,2-Dibromoethane	11.444	107	140146	9.717	ug/l	97
64) Tetrachloroethene	11.027	164	127212	9.389	ug/l	98
65) Chlorobenzene	11.932	112	442361	9.802	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.020	131	124206	9.489	ug/l	97
67) Ethyl Benzene	12.020	91	766918	10.214	ug/l	93
68) m/p-Xylenes	12.143	106	614597	20.029	ug/l	89
69) o-Xylene	12.514	106	299522	9.999	ug/l	99
70) Styrene	12.531	104	534458	10.143	ug/l	98
71) Bromoform	12.725	173	90514	9.656	ug/l #	97
73) Isopropylbenzene	12.860	105	783647	10.118	ug/l	98
74) N-amyl acetate	12.643	43	420785	9.737	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.136	83	261860	10.206	ug/l	97
76) 1,2,3-Trichloropropane	13.201	75	217166m	9.135	ug/l	
77) Bromobenzene	13.178	156	212777	9.882	ug/l	97
78) n-propylbenzene	13.248	91	987598	10.342	ug/l	96
79) 2-Chlorotoluene	13.348	91	590041	9.912	ug/l	100
80) 1,3,5-Trimethylbenzene	13.407	105	711943	10.162	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.907	75	71511m	8.634	ug/l	
82) 4-Chlorotoluene	13.460	91	643787	9.785	ug/l	99
83) tert-Butylbenzene	13.706	119	628382	10.063	ug/l	97
84) 1,2,4-Trimethylbenzene	13.753	105	766230	10.192	ug/l	98
85) sec-Butylbenzene	13.906	105	950258	10.466	ug/l	99
86) p-Isopropyltoluene	14.035	119	854215	10.363	ug/l	97
87) 1,3-Dichlorobenzene	14.041	146	453763	9.552	ug/l	99
88) 1,4-Dichlorobenzene	14.129	146	487065	9.746	ug/l	97
89) n-Butylbenzene	14.406	91	805353	9.984	ug/l	98
90) Hexachloroethane	14.723	117	98177	8.925	ug/l	99
91) 1,2-Dichlorobenzene	14.464	146	466293	9.838	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	15.169	75	57502	8.837	ug/l	97
93) 1,2,4-Trichlorobenzene	15.986	180	296936	8.653	ug/l	98
94) Hexachlorobutadiene	16.109	225	136531	9.216	ug/l	99
95) Naphthalene	16.286	128	880887	8.416	ug/l	99
96) 1,2,3-Trichlorobenzene	16.521	180	296455	8.933	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TIC: VR026776.D\data.ms

Abundance

Time-->

Compounds identified in the chromatogram:

- Dichlorodifluoromethane, T
- Chloromethane, P
- Vinyl Chloride, C
- Bromomethane, T
- Chloromethane, I
- Trichlorofluoromethane, T
- Diethyl Ether, T
- Acetone, T
- Methyl acetate, T
- Carbon disulfide, T
- Methyl chloride, T
- Methylene Chloride, T
- Tert butyl alcohol, T
- Methyl tert-butyl ether, T
- 1,1-Dichloroethane, P
- Disopropyl ether, T
- Vinyl Acetate, T
- 2-Amino-2-methylpropane, T
- Ethyl Acetate, T
- Methyl formate, T
- Chloroform, C
- 1,1,1-Trichloroethane, T
- 1,1,2-Trichloroethane, T
- 1,2-Dichloroethane, T
- 1,2-Dibromoethane, T
- 1,4-Difluorobenzene, I
- Trichloroethene, TM
- 1,2-Dichlorobenzene, T
- Nitrobenzene, T
- Bromodichloromethane, T
- 2-Chloroethyl Vinyl ether, T
- cis-1,3-Dichloropropene, T
- Toluene-d8, CM
- t-1,3-Dichloropropane, T
- 1,1,2-Trichloroethane, T
- 1,3-Dichloropropane, T
- Dibromochloromethane, T
- 1,2-Dibromoethane, I
- Chlorobenzene-d5, I
- Chlorobenzene-d4, I
- m,p-Xylenes, I
- N-amyl acetate, T
- Bromobenzene, T
- trans-1,2-Dichloro-2-butene, T
- Isopropylbenzene, T
- 1,4-Bromodichlorobenzene, T
- 1,2,2,2-Tetrachloroethane, T
- 1,2,3-Trichlorobenzene, T
- 2-Chlorobenzonitrile, T
- tert-Butylbenzene, T
- sec-Butylbenzene, T
- 1,2,4-Trimethylbenzene, T
- 1,3-Dichlorobenzene, T
- 1,4-Dichlorobenzene, T
- I,2-Dichlorobenzene, T
- Hexachloroethane, T
- 1,2-Dibromo-3-Chloropropane, T
- 1,2,4-Trichlorobenzene, T
- Hexachlorocyclopentadiene, I
- Naphthalene, T
- 1,2,3-Trichlorobenzene, T