

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080625\
 Data File : VR026717.D
 Acq On : 6 Aug 2025 15:16
 Operator : SY/MD
 Sample : VR0806WBS01
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0806WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/07/2025
 Supervised By :Semsettin Yesilyurt 08/07/2025

Quant Time: Aug 07 01:12:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R080425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 05 02:27:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.285	168	383215	50.000	ug/l	-0.02
33) 1,4-Difluorobenzene	8.319	114	671871	50.000	ug/l	-0.01
62) Chlorobenzene-d5	11.524	117	559589	50.000	ug/l	-0.02
71) 1,4-Dichlorobenzene-d4	13.729	152	278671	50.000	ug/l	-0.02

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.677	65	233014	48.042	ug/l	-0.02
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.080%
34) Dibromofluoromethane	7.186	113	201040	48.378	ug/l	-0.02
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.760%
49) Toluene-d8	10.023	98	821505	55.179	ug/l	-0.02
Spiked Amount	50.000	Range	86 - 113	Recovery	=	110.360%
61) 4-Bromofluorobenzene	12.663	95	229371	54.167	ug/l	-0.01
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.340%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.657	85	53450	19.138	ug/l	94
3) Chloromethane	1.837	50	78323	18.866	ug/l	100
4) Vinyl Chloride	1.952	62	94903	22.370	ug/l	95
5) Bromomethane	2.302	94	50373	24.367	ug/l	93
6) Chloroethane	2.421	64	64253	23.522	ug/l	90
7) Trichlorofluoromethane	2.709	101	206026	26.943	ug/l	86
8) Diethyl Ether	3.069	74	62260	18.351	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.383	101	72371	17.544	ug/l	94
10) Methyl Iodide	3.537	142	67489	16.952	ug/l	95
11) Tert butyl alcohol	4.317	59	53626	70.667	ug/l #	84
12) 1,1-Dichloroethene	3.354	96	71727	17.596	ug/l	91
13) Acrolein	3.236	56	102888	92.751	ug/l	100
14) Allyl chloride	3.874	41	132932	16.575	ug/l	93
15) Acrylonitrile	4.471	53	297812	98.865	ug/l	95
16) Acetone	3.431	43	233546	102.594	ug/l #	84
17) Carbon Disulfide	3.630	76	81186	13.454	ug/l #	91
18) Methyl Acetate	3.890	43	207765	21.868	ug/l	95
19) Methyl tert-butyl Ether	4.542	73	287067	17.597	ug/l	93
20) Methylene Chloride	4.073	84	98513	18.236	ug/l	93
21) trans-1,2-Dichloroethene	4.526	96	76824	17.143	ug/l	93
22) Diisopropyl ether	5.453	45	359123	19.109	ug/l	96
23) Vinyl Acetate	5.379	43	1066267	99.508	ug/l #	92
24) 1,1-Dichloroethane	5.318	63	167689	17.620	ug/l	96
25) 2-Butanone	6.361	43	364067	103.328	ug/l	98
26) 2,2-Dichloropropane	6.339	77	102756	15.618	ug/l #	71
27) cis-1,2-Dichloroethene	6.345	96	107458	18.639	ug/l	99
28) Bromochloromethane	6.727	49	66308m	19.335	ug/l	
29) Chloroform	6.939	83	163212	19.798	ug/l	95
30) Cyclohexane	7.260	56	130466	16.975	ug/l #	87
31) 1,1,1-Trichloroethane	7.173	97	112798	18.941	ug/l	97
35) 1,1-Dichloropropene	7.420	75	104121	19.861	ug/l	99
36) Ethyl Acetate	6.464	43	119888	19.102	ug/l	98
37) Carbon Tetrachloride	7.394	117	83610	19.583	ug/l	97
38) Methylcyclohexane	8.877	83	120036	20.003	ug/l	91
39) Benzene	7.696	78	376209	19.927	ug/l	98
40) Methacrylonitrile	6.708	41	81641	20.932	ug/l #	74

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.789	62	103043	21.459	ug/l	99
42) Isopropyl Acetate	7.857	43	195698	19.392	ug/l	96
43) Trichloroethene	8.595	130	77010	21.211	ug/l	93
44) 1,2-Dichloropropane	8.909	63	92713	20.752	ug/l	97
45) Dibromomethane	9.005	93	55490	22.333	ug/l	97
46) Bromodichloromethane	9.236	83	101200	21.022	ug/l #	99
47) Methyl methacrylate	9.021	41	95562	21.636	ug/l	97
48) 1,4-Dioxane	9.021	88	29501	414.649	ug/l #	85
50) 4-Methyl-2-Pentanone	9.907	43	630066	119.589	ug/l	97
51) Toluene	10.093	92	223604	23.202	ug/l	97
52) t-1,3-Dichloropropene	10.356	75	89058	18.874	ug/l	93
53) cis-1,3-Dichloropropene	9.737	75	112775	19.926	ug/l	94
54) 1,1,2-Trichloroethane	10.558	97	79334	22.541	ug/l	94
55) Ethyl methacrylate	10.424	69	129324	22.250	ug/l	98
56) 1,3-Dichloropropane	10.722	76	138575	23.115	ug/l	100
57) 2-Chloroethyl Vinyl ether	9.576	63	31781	98.943	ug/l	92
58) 2-Hexanone	10.786	43	415795	117.067	ug/l	98
59) Dibromochloromethane	10.947	129	66644	22.374	ug/l	95
60) 1,2-Dibromoethane	11.062	107	69841	23.056	ug/l	99
63) Tetrachloroethene	10.642	164	60476	19.783	ug/l	92
64) Chlorobenzene	11.556	112	245866	21.112	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.643	131	64104	20.153	ug/l	97
66) Ethyl Benzene	11.646	91	405307	20.843	ug/l	98
67) m/p-Xylenes	11.778	106	320575	41.264	ug/l	99
68) o-Xylene	12.144	106	157273	20.854	ug/l	93
69) Styrene	12.163	104	264231	20.967	ug/l	98
70) Bromoform	12.343	173	34676	19.262	ug/l	98
72) Isopropylbenzene	12.493	105	380587	19.161	ug/l	99
73) N-amyl acetate	12.291	43	137372	17.443	ug/l	97
74) 1,1,2,2-Tetrachloroethane	12.776	83	117636	20.186	ug/l	96
75) 1,2,3-Trichloropropane	12.830	75	77955m	16.876	ug/l	
76) Bromobenzene	12.805	156	90111	19.604	ug/l	93
77) n-propylbenzene	12.882	91	467257	19.718	ug/l	99
78) 2-Chlorotoluene	12.975	91	253702	18.870	ug/l	98
79) 1,3,5-Trimethylbenzene	13.039	105	299459	19.280	ug/l	98
80) trans-1,4-Dichloro-2-b...	12.548	75	23182	14.617	ug/l #	86
81) 4-Chlorotoluene	13.087	91	259875	18.921	ug/l	96
82) tert-Butylbenzene	13.337	119	280816	19.877	ug/l	96
83) 1,2,4-Trimethylbenzene	13.385	105	300890	19.571	ug/l	99
84) sec-Butylbenzene	13.539	105	416737	19.891	ug/l	100
85) p-Isopropyltoluene	13.668	119	336397	19.692	ug/l	99
86) 1,3-Dichlorobenzene	13.658	146	177749	19.725	ug/l	97
87) 1,4-Dichlorobenzene	13.758	146	183020	20.235	ug/l	98
88) n-Butylbenzene	14.037	91	305066	19.376	ug/l	99
89) Hexachloroethane	14.339	117	43436	17.707	ug/l	94
90) 1,2-Dichlorobenzene	14.082	146	173500	20.499	ug/l	98
91) 1,2-Dibromo-3-Chloropr...	14.778	75	15893	20.480	ug/l	88
92) 1,2,4-Trichlorobenzene	15.542	180	102798	20.312	ug/l	93
93) Hexachlorobutadiene	15.670	225	34185	20.789	ug/l	95
94) Naphthalene	15.818	128	298240	19.230	ug/l	99
95) 1,2,3-Trichlorobenzene	16.046	180	102227	21.276	ug/l	95

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

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Abundance

TIC: VR026717.D\data.ms

Time-->

1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

1500000

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150000

100000

50000

0

1,1,1,2,2-Pentafluoroethane, T

Chloroethane, T

Vinyl Chloride, C

Bromomethane, T

Trichlorofluoromethane, T

Diethyl Ether, T

Acetone, T

Methyl Isocyanide, T

Carbon Disulfide, T

Methyl Acetate, T

Methylene Chloride, T

Tert butyl alcohol, T

1,1-Dichloroethane, T

Disopropyl ether, T

Vinyl Acetate, T

2,2-Dichloropropane, T

Ethyl Acetate, T

Methoxybenzene, T

Chloroform, C

1,1,1,2,2-Pentafluoroethane, S

1,1,1,2,2-Pentafluoroethane-d4, S

1,2-Dichloroethane, T

1,2-Dichloropropane, T

1,4-Difluorobenzene, I

Trichloroethene, TM

1,2-Dichloroethane, T

Bromodichloromethane, T

2-Chloroethyl Vinyl ether, T

Cis-1,3-Dichloropropene, T

Toluene, CM

1,1,1,2,2-Pentafluoroethane, T

1,2-Dichloroethane, T

1,3-Dichloropropane, T

1,2-Dichlorobenzene, T

4-Methyl-2-Pentanone, T

Chlorobenzene-d5, I

Chlorobenzene, T

m/p-Xylenes, T

o-Xylene, T

N-amyl acetate, T

Bromotrimethylsilane, T

Trans-1,4-Dichloro-2-butene, T

1,1,1,2,2-Pentafluoroethane, T

1,1,1,2,2-Pentafluoroethane, T

2-Chlorobutene, T

tert-Butylbenzene, T

sec-Butylbenzene, T

1,2,4-Trimethylbenzene, T

1,4-Dichlorobenzene, T

1,2-Dichlorobenzene, T

1,2-Dichlorobenzene, T

1,2-Dichlorobenzene, T

Hexachloroethane, T

1,2-Dibromo-3-Chloropropane, T

1,2,4-Trichlorobenzene, T

Hexachlorobutadiene, T

Naphthalene, T

1,2,3-Trichlorobenzene, T