Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091525\
Data File : VU063583.D
Acq On : 15 Sep 2025 17:15
Operator : MD/SY
Sample : VIBLK
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VIBLK

Quant Time: Sep 16 04:58:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091225DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Sat Sep 13 03:31:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.100	96	30624	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.631	95	10266	0.900	ug/l		0.00
Spiked Amount 1.000			Recovery = 90.000%				
68) 1,2-Dichlorobenzene-d4	12.190	152	10933	0.940	ug/l		0.00
Spiked Amount 1.000			Recovery = 94.000%				
Target Compounds							Qvalue
3) Chloromethane	1.515	50	948	0.096	ug/l		93
5) Bromomethane	1.843	94	773	0.117	ug/l		86
6) Chloroethane	1.776	64	20	0.003	ug/l	#	1
7) Trichlorofluoromethane	2.123	101	362	0.023	ug/l		100
9) 1,1-Dichloroethene	2.567	96	76	0.010	ug/l		26
10) Iodomethane	2.715	142	877	0.076	ug/l	#	78
11) Allyl Chloride	2.917	41	84	0.006	ug/l		85
12) Acrylonitrile	3.313	53	20	0.008	ug/l	#	18
13) Acetone	2.618	43	658	0.192	ug/l	#	80
14) Carbon Disulfide	2.779	76	161	0.010	ug/l	#	1
16) trans-1,2-Dichloroethene	3.338	96	82	0.010	ug/l	#	1
17) 1,1-Dichloroethane	3.850	63	220	0.011	ug/l	#	85
18) 2-Butanone	4.708	43	175	0.045	ug/l		78
19) Cyclohexane	5.370	56	68	0.004	ug/l	#	22
20) Methylcyclohexane	6.747	83	20	0.001	ug/l	#	68
21) 2,2-Dichloropropane	4.673	77	20	0.001	ug/l	#	54
25) Methyl tert-Butyl Ether	3.354	73	182	0.008	ug/l	#	65
26) Bromochloromethane	4.968	128	19	0.005	ug/l	#	51
27) Chloroform	5.071	83	235	0.012	ug/l		92
29) 1,1-Dichloropropene	5.515	75	247	0.018	ug/l	#	56
31) Isopropyl Ether	3.988	45	160	0.005	ug/l		72
33) Tert-Amyl methyl ether	6.103	73	420	0.018	ug/l	#	49
35) Benzene	5.763	78	272	0.007	ug/l	#	59
36) 1,2-Dichloroethane	5.788	62	47	0.003	ug/l	#	78
37) Trichloroethene	6.525	130	187	0.019	ug/l	#	60
39) Methacrylonitrile	4.962	41	105	0.024	ug/l	#	1
40) Methyl acrylate	4.849	55	19	0.003	ug/l	#	1
41) Tetrahydrofuran	5.052	42	352	0.157	ug/l	#	53
42) 1-Chlorobutane	5.441	56	20	0.001	ug/l	#	1
43) Dibromomethane	6.904	93	181	0.036	ug/l	#	47
45) 4-Methyl-2-Pentanone	7.801	43	836	0.131	ug/l	#	44
49) Toluene	7.955	92	19	0.001	ug/l	#	1
50) t-1,3-Dichloropropene	8.206	75	211	0.026	ug/l	#	5
51) cis-1,3-Dichloropropene	7.599	75	366	0.034	ug/l	#	66
53) 1,3-Dichloropropane	8.579	76	82	0.007	ug/l	#	1
54) 2-Hexanone	8.672	43	66	0.014	ug/l	#	34
59) Chlorobenzene	9.451	112	482	0.019	ug/l	#	43
60) 1,1,1,2-Tetrachloroethane	9.518	131	93	0.011	ug/l	#	1
61) Pentachloroethane	11.647	117	157	0.027	ug/l	#	10
63) Ethyl Benzene	9.570	91	795	0.019	ug/l		92
64) m/p-Xylenes	9.685	106	244	0.015	ug/l	#	16
65) o-Xylene	10.100	106	198	0.012	ug/l		61
66) Styrene	10.126	104	310	0.012	ug/l	#	34

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VIBLK

Quant Time: Sep 16 04:58:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091225DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Sat Sep 13 03:31:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
69) Isopropylbenzene	10.476	105	1628	0.041	ug/l		94
70) 1,1,2,2-Tetrachloroethane	10.775	83	872	0.095	ug/l	#	89
71) 1,2,3-Trichloropropane	10.817	75	727	0.107	ug/l	#	70
72) Bromobenzene	10.779	156	452	0.044	ug/l		49
73) n-propylbenzene	10.907	120	2080	0.180	ug/l		94
74) 2-Chlorotoluene	11.094	126	505	0.048	ug/l		1
75) 1,3,5-Trimethylbenzene	11.090	105	1326	0.035	ug/l		92
76) 4-Chlorotoluene	11.094	126	505	0.046	ug/l		22
77) tert-Butylbenzene	11.412	119	1074	0.030	ug/l		85
78) 1,2,4-Trimethylbenzene	11.463	105	1658	0.046	ug/l		95
79) sec-Butylbenzene	11.640	105	5582	0.114	ug/l		96
81) p-Isopropyltoluene	11.788	119	7411	0.188	ug/l		97
82) 1,3-Dichlorobenzene	11.746	146	2045	0.098	ug/l		94
83) 1,4-Dichlorobenzene	11.746	146	2045	0.095	ug/l		92
85) 1,2-Dichlorobenzene	12.200	146	534	0.027	ug/l		82

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

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Quant Time: Sep 16 04:58:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091225DW.M
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