Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062525\
Data File : VU063457.D
Acq On : 25 Jun 2025 14:03
Operator : MD/SY
Sample : Q2126-09
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT2-2025

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/26/2025
Supervised By :Semsettin Yesilyurt 06/26/2025

Quant Time: Jun 26 01:57:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jun 26 01:53:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.103	96	46743	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	15547	0.906	ug/l	0.00
Spiked Amount 1.000			Recovery =	91.000%		
68) 1,2-Dichlorobenzene-d4	12.190	152	15815	0.918	ug/l	0.00
Spiked Amount 1.000			Recovery =	92.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	14898	0.830	ug/l	97
3) Chloromethane	1.518	50	17979	0.760	ug/l	95
4) Vinyl Chloride	1.599	62	16970	0.838	ug/l	98
5) Bromomethane	1.846	94	10996	1.133	ug/l	92
6) Chloroethane	1.924	64	9903	0.826	ug/l	99
7) Trichlorofluoromethane	2.126	101	18973	0.822	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	9828	0.799	ug/l	96
9) 1,1-Dichloroethene	2.570	96	9994	0.814	ug/l	98
10) Iodomethane	2.711	142	5872	0.593	ug/l	96
11) Allyl Chloride	2.907	41	15871	0.726	ug/l	100
12) Acrylonitrile	3.309	53	5824	1.642	ug/l	97
13) Acetone	2.624	43	10954	3.080	ug/l	96
14) Carbon Disulfide	2.776	76	33018	0.771	ug/l	100
15) Methylene Chloride	3.030	84	56531	3.634	ug/l	96
16) trans-1,2-Dichloroethene	3.335	96	11582	0.839	ug/l	91
17) 1,1-Dichloroethane	3.849	63	22481	0.775	ug/l	98
18) 2-Butanone	4.718	43	17262	3.488	ug/l	100
19) Cyclohexane	5.354	56	18315	0.835	ug/l	98
20) Methylcyclohexane	6.743	83	14041m	0.689	ug/l	
21) 2,2-Dichloropropane	4.647	77	16336	0.793	ug/l	99
22) cis-1,2-Dichloroethene	4.647	96	12176	0.808	ug/l	94
23) Diethyl Ether	2.370	59	8069	0.729	ug/l	97
24) tert-Butyl Alcohol	3.206	59	9281	7.955	ug/l	97
25) Methyl tert-Butyl Ether	3.367	73	26479	0.793	ug/l	98
26) Bromochloromethane	4.956	128	4611	0.786	ug/l	89
27) Chloroform	5.071	83	21469	0.790	ug/l	95
28) 1,1,1-Trichloroethane	5.293	97	16866	0.765	ug/l	97
29) 1,1-Dichloropropene	5.502	75	15897	0.789	ug/l	95
30) Carbon Tetrachloride	5.499	117	13842	0.786	ug/l	95
31) Isopropyl Ether	3.997	45	35213	0.777	ug/l	100
32) Ethyl-t-butyl ether	4.505	59	29339m	0.764	ug/l	
33) Tert-Amyl methyl ether	5.946	73	20689m	0.753	ug/l	
34) Propionitrile	4.775	54	5396	3.769	ug/l #	93
35) Benzene	5.759	78	47526	0.780	ug/l	96
36) 1,2-Dichloroethane	5.785	62	13796	0.775	ug/l	98
37) Trichloroethene	6.531	130	10877	0.756	ug/l	97
38) 1,2-Dichloropropane	6.785	63	13228	0.786	ug/l	91
39) Methacrylonitrile	4.978	41	4546	0.763	ug/l #	94
40) Methyl acrylate	4.859	55	6721m	0.804	ug/l	
41) Tetrahydrofuran	5.065	42	5181	1.617	ug/l	95
42) 1-Chlorobutane	5.438	56	21813m	0.764	ug/l	
43) Dibromomethane	6.914	93	5656	0.720	ug/l	97
44) Bromodichloromethane	7.100	83	14387	0.752	ug/l	97

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jun 26 01:53:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT2-2025

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.801	43	27233	3.228	ug/l	96
46) t-1,4-Dichloro-2-butene	10.827	75	4776m	1.722	ug/l	
47) Methyl methacrylate	6.978	69	7763	1.275	ug/l	96
48) Ethyl methacrylate	8.338	69	7289	0.669	ug/l	96
49) Toluene	7.962	92	21918	0.655	ug/l	98
50) t-1,3-Dichloropropene	8.209	75	9441	0.684	ug/l	96
51) cis-1,3-Dichloropropene	7.605	75	12180	0.657	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	9559	0.832	ug/l	95
53) 1,3-Dichloropropane	8.573	76	14677	0.743	ug/l	99
54) 2-Hexanone	8.698	43	17360	3.067	ug/l	91
55) Dibromochloromethane	8.804	129	8591	0.725	ug/l	96
56) 1,2-Dibromoethane	8.920	107	7194	0.772	ug/l	99
58) Tetrachloroethene	8.541	164	10622	0.752	ug/l	97
59) Chlorobenzene	9.444	112	24509	0.685	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.524	131	9956	0.773	ug/l	99
61) Pentachloroethane	11.415	117	8312	0.792	ug/l	93
62) Hexachloroethane	12.466	117	7360	0.780	ug/l	94
63) Ethyl Benzene	9.563	91	36768	0.641	ug/l	95
64) m/p-Xylenes	9.688	106	26172	1.169	ug/l	97
65) o-Xylene	10.094	106	12966	0.595	ug/l	99
66) Styrene	10.113	104	20999	0.591	ug/l	99
67) Bromoform	10.283	173	4671	0.721	ug/l	99
69) Isopropylbenzene	10.476	105	31970	0.633	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.778	83	11312	0.770	ug/l	99
71) 1,2,3-Trichloropropane	10.817	75	10119m	0.843	ug/l	
72) Bromobenzene	10.778	156	9581	0.676	ug/l	86
73) n-propylbenzene	10.897	120	9696	0.633	ug/l	95
74) 2-Chlorotoluene	10.981	126	8926	0.637	ug/l	95
75) 1,3,5-Trimethylbenzene	11.081	105	29277	0.596	ug/l	98
76) 4-Chlorotoluene	11.094	126	8924	0.608	ug/l	96
77) tert-Butylbenzene	11.412	119	30223	0.651	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	28790	0.582	ug/l	99
79) sec-Butylbenzene	11.637	105	40160	0.611	ug/l	98
80) Nitrobenzene	13.229	77	1994m	2.978	ug/l	
81) p-Isopropyltoluene	11.785	119	31120	0.606	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	21480	0.731	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	21452m	0.704	ug/l	
84) n-Butylbenzene	12.203	91	31547	0.586	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	19915	0.708	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.997	75	1361	0.674	ug/l	92
87) 1,2,4-Trichlorobenzene	13.839	180	10375	0.662	ug/l	99
88) Hexachlorobutadiene	14.013	225	8070	0.726	ug/l	95
89) Naphthalene	14.090	128	16000	0.613	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	9804	0.629	ug/l	95

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

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