Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063443.D
Acq On : 24 Jun 2025 17:54
Operator : MD/SY
Sample : Q2126-08
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 25 03:11:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:09:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2025

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.103	96	45741	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	15334	0.913	ug/l	0.00
Spiked Amount 1.000			Recovery =	91.000%		
68) 1,2-Dichlorobenzene-d4	12.190	152	16154	0.958	ug/l	0.00
Spiked Amount 1.000			Recovery =	96.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	16733	0.952	ug/l	99
3) Chloromethane	1.518	50	19740	0.853	ug/l	97
4) Vinyl Chloride	1.599	62	16749	0.845	ug/l	99
5) Bromomethane	1.846	94	10279	1.083	ug/l	97
6) Chloroethane	1.923	64	9189	0.783	ug/l	92
7) Trichlorofluoromethane	2.126	101	20296	0.898	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	9656	0.802	ug/l #	89
9) 1,1-Dichloroethene	2.566	96	10420	0.868	ug/l	83
10) Iodomethane	2.708	142	7354	0.759	ug/l	91
11) Allyl Chloride	2.907	41	13831	0.646	ug/l	91
12) Acrylonitrile	3.309	53	4546	1.310	ug/l	84
13) Acetone	2.624	43	9067	2.605	ug/l	95
14) Carbon Disulfide	2.775	76	32561	0.777	ug/l	99
15) Methylene Chloride	3.026	84	12757	0.838	ug/l	88
16) trans-1,2-Dichloroethene	3.338	96	11391	0.843	ug/l	82
17) 1,1-Dichloroethane	3.849	63	20839	0.734	ug/l	97
18) 2-Butanone	4.724	43	12522	2.586	ug/l	95
19) Cyclohexane	5.357	56	18402	0.857	ug/l	96
20) Methylcyclohexane	6.746	83	16786	0.842	ug/l	91
21) 2,2-Dichloropropane	4.644	77	15563	0.772	ug/l	97
22) cis-1,2-Dichloroethene	4.647	96	12551	0.851	ug/l	86
23) Diethyl Ether	2.374	59	7654	0.706	ug/l	89
24) tert-Butyl Alcohol	3.206	59	9216	8.073	ug/l #	91
25) Methyl tert-Butyl Ether	3.361	73	26085	0.799	ug/l	100
26) Bromochloromethane	4.952	128	5279	0.919	ug/l	73
27) Chloroform	5.071	83	21766	0.818	ug/l	98
28) 1,1,1-Trichloroethane	5.293	97	20201	0.937	ug/l	96
29) 1,1-Dichloropropene	5.505	75	18784	0.953	ug/l	96
30) Carbon Tetrachloride	5.499	117	16094	0.934	ug/l	95
31) Isopropyl Ether	3.997	45	28262	0.638	ug/l	94
32) Ethyl-t-butyl ether	4.509	59	27230	0.725	ug/l	91
33) Tert-Amyl methyl ether	5.946	73	23980	0.892	ug/l	100
34) Propionitrile	4.785	54	4768	3.404	ug/l #	95
35) Benzene	5.756	78	54813	0.920	ug/l	98
36) 1,2-Dichloroethane	5.785	62	15868	0.911	ug/l	98
37) Trichloroethene	6.531	130	13550	0.962	ug/l	92
38) 1,2-Dichloropropane	6.782	63	15578	0.946	ug/l	94
39) Methacrylonitrile	4.978	41	3510	0.602	ug/l #	85
40) Methyl acrylate	4.856	55	5687m	0.695	ug/l	
41) Tetrahydrofuran	5.062	42	4182	1.334	ug/l	96
42) 1-Chlorobutane	5.438	56	25744m	0.921	ug/l	
43) Dibromomethane	6.910	93	7281	0.947	ug/l	98
44) Bromodichloromethane	7.097	83	18149	0.969	ug/l	99

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Quant Time: Jun 25 03:11:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	4-Methyl-2-Pentanone	7.801	43	32961	3.993	ug/l		97
46)	t-1,4-Dichloro-2-butene	10.827	75	5372m	1.980	ug/l		
47)	Methyl methacrylate	6.971	69	9503	1.595	ug/l		96
48)	Ethyl methacrylate	8.338	69	8943	0.838	ug/l		92
49)	Toluene	7.962	92	27693	0.846	ug/l		99
50)	t-1,3-Dichloropropene	8.209	75	11508	0.852	ug/l		99
51)	cis-1,3-Dichloropropene	7.602	75	15687	0.865	ug/l		98
52)	1,1,2-Trichloroethane	8.396	97	10917	0.971	ug/l		96
53)	1,3-Dichloropropane	8.573	76	17963	0.929	ug/l		99
54)	2-Hexanone	8.695	43	22115	3.993	ug/l		92
55)	Dibromochloromethane	8.804	129	10969	0.946	ug/l		98
56)	1,2-Dibromoethane	8.920	107	8529	0.936	ug/l		96
58)	Tetrachloroethene	8.544	164	13084	0.947	ug/l		94
59)	Chlorobenzene	9.441	112	31760	0.907	ug/l		97
60)	1,1,1,2-Tetrachloroethane	9.528	131	11906	0.944	ug/l		97
61)	Pentachloroethane	11.418	117	10089	0.982	ug/l		99
62)	Hexachloroethane	12.466	117	8907	0.964	ug/l		96
63)	Ethyl Benzene	9.563	91	46492	0.828	ug/l		99
64)	m/p-Xylenes	9.688	106	34191	1.560	ug/l		98
65)	o-Xylene	10.094	106	17096	0.801	ug/l		100
66)	Styrene	10.110	104	27287	0.785	ug/l		98
67)	Bromoform	10.283	173	5679	0.896	ug/l		98
69)	Isopropylbenzene	10.476	105	41384	0.837	ug/l		99
70)	1,1,2,2-Tetrachloroethane	10.775	83	14645	1.018	ug/l		95
71)	1,2,3-Trichloropropane	10.817	75	12473m	1.062	ug/l		
72)	Bromobenzene	10.778	156	13033	0.939	ug/l		98
73)	n-propylbenzene	10.901	120	11722	0.782	ug/l		97
74)	2-Chlorotoluene	10.981	126	11473	0.837	ug/l		93
75)	1,3,5-Trimethylbenzene	11.081	105	35849	0.746	ug/l		98
76)	4-Chlorotoluene	11.093	126	12103	0.842	ug/l		89
77)	tert-Butylbenzene	11.412	119	38574	0.849	ug/l		97
78)	1,2,4-Trimethylbenzene	11.463	105	35678	0.737	ug/l		98
79)	sec-Butylbenzene	11.637	105	50387	0.783	ug/l		99
80)	Nitrobenzene	13.225	77	3325	5.075	ug/l	#	73
81)	p-Isopropyltoluene	11.788	119	37827	0.752	ug/l		95
82)	1,3-Dichlorobenzene	11.743	146	27873	0.970	ug/l		99
83)	1,4-Dichlorobenzene	11.833	146	25746	0.863	ug/l		97
84)	n-Butylbenzene	12.203	91	41719	0.792	ug/l		96
85)	1,2-Dichlorobenzene	12.209	146	25911	0.942	ug/l		97
86)	1,2-Dibromo-3-Chloropr...	12.990	75	2098	1.061	ug/l		86
87)	1,2,4-Trichlorobenzene	13.839	180	13523	0.882	ug/l		99
88)	Hexachlorobutadiene	14.013	225	10548	0.970	ug/l		92
89)	Naphthalene	14.090	128	23149	0.906	ug/l		98
90)	1,2,3-Trichlorobenzene	14.328	180	13058	0.856	ug/l		98

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

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