Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021225\
Data File : VU063258.D
Acq On : 12 Feb 2025 16:44
Operator : MD/SY
Sample : Q1168-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 13 03:50:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Feb 13 03:48:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2025

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
Supervised By :Mahesh Dadoda 02/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.107	96	49054	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.627	95	14348	0.887	ug/l		0.00
Spiked Amount 1.000			Recovery =	89.000%			
68) 1,2-Dichlorobenzene-d4	12.187	152	14745	0.876	ug/l		0.00
Spiked Amount 1.000			Recovery =	88.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.380	85	8573	0.538	ug/l		89
3) Chloromethane	1.518	50	10069	0.549	ug/l		96
4) Vinyl Chloride	1.599	62	9468	0.521	ug/l		96
5) Bromomethane	1.846	94	5651	0.637	ug/l		94
6) Chloroethane	1.923	64	6034	0.528	ug/l	#	88
7) Trichlorofluoromethane	2.129	101	11309	0.526	ug/l		93
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	6669	0.546	ug/l		97
9) 1,1-Dichloroethene	2.570	96	6612	0.531	ug/l		99
10) Iodomethane	2.711	142	10072	0.515	ug/l		99
11) Allyl Chloride	2.914	41	9214	0.515	ug/l		99
12) Acrylonitrile	3.332	53	2816	0.981	ug/l	#	87
13) Acetone	2.618	43	6540	2.963	ug/l		97
14) Carbon Disulfide	2.782	76	23110	0.531	ug/l		97
15) Methylene Chloride	3.033	84	9005	0.586	ug/l		98
16) trans-1,2-Dichloroethene	3.345	96	7423	0.523	ug/l		94
17) 1,1-Dichloroethane	3.856	63	14079	0.526	ug/l		95
18) 2-Butanone	4.724	43	8686m	2.473	ug/l		
19) Cyclohexane	5.373	56	9831m	0.457	ug/l		
20) Methylcyclohexane	6.750	83	9762	0.458	ug/l		96
21) 2,2-Dichloropropane	4.647	77	10744	0.514	ug/l		92
22) cis-1,2-Dichloroethene	4.660	96	7719	0.503	ug/l		96
23) Diethyl Ether	2.367	59	5469	0.512	ug/l	#	89
24) tert-Butyl Alcohol	3.174	59	11180	8.607	ug/l	#	85
25) Methyl tert-Butyl Ether	3.348	73	16079	0.517	ug/l		99
26) Bromochloromethane	4.965	128	3239	0.483	ug/l		90
27) Chloroform	5.078	83	14688	0.544	ug/l		96
28) 1,1,1-Trichloroethane	5.303	97	11289	0.516	ug/l		96
29) 1,1-Dichloropropene	5.521	75	9679	0.494	ug/l		97
30) Carbon Tetrachloride	5.508	117	10051	0.535	ug/l		86
31) Isopropyl Ether	3.978	45	18493	0.484	ug/l		90
32) Ethyl-t-butyl ether	4.486	59	16950	0.488	ug/l		98
33) Tert-Amyl methyl ether	5.926	73	14543m	0.479	ug/l		
34) Propionitrile	4.798	54	2261m	2.134	ug/l		
35) Benzene	5.766	78	30255	0.502	ug/l		98
36) 1,2-Dichloroethane	5.788	62	9564	0.550	ug/l	#	88
37) Trichloroethene	6.534	130	7701	0.537	ug/l		99
38) 1,2-Dichloropropane	6.782	63	8409	0.533	ug/l		100
39) Methacrylonitrile	4.994	41	2081m	0.527	ug/l		
40) Methyl acrylate	4.891	55	3663m	0.503	ug/l		
41) Tetrahydrofuran	5.065	42	2383	1.038	ug/l	#	81
42) 1-Chlorobutane	5.454	56	13049	0.487	ug/l		95
43) Dibromomethane	6.910	93	4261	0.533	ug/l		98
44) Bromodichloromethane	7.097	83	10140	0.545	ug/l		97

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Feb 13 03:48:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	4-Methyl-2-Pentanone	7.785	43	18815	2.247	ug/l		94
46)	t-1,4-Dichloro-2-butene	10.820	75	3967m	1.008	ug/l		
47)	Methyl methacrylate	6.962	69	6078m	0.903	ug/l		
48)	Ethyl methacrylate	8.332	69	5233	0.414	ug/l		96
49)	Toluene	7.962	92	16252	0.469	ug/l		98
50)	t-1,3-Dichloropropene	8.206	75	8104	0.476	ug/l		94
51)	cis-1,3-Dichloropropene	7.602	75	10115	0.481	ug/l		98
52)	1,1,2-Trichloroethane	8.393	97	5925	0.550	ug/l		92
53)	1,3-Dichloropropane	8.563	76	9839	0.515	ug/l		98
54)	2-Hexanone	8.685	43	12841m	2.247	ug/l		
55)	Dibromochloromethane	8.801	129	6097	0.492	ug/l		92
56)	1,2-Dibromoethane	8.917	107	4742	0.469	ug/l		92
58)	Tetrachloroethene	8.544	164	6468	0.548	ug/l		94
59)	Chlorobenzene	9.441	112	17681	0.483	ug/l		99
60)	1,1,1,2-Tetrachloroethane	9.524	131	6927	0.527	ug/l		97
61)	Pentachloroethane	11.415	117	5960	0.507	ug/l		89
62)	Hexachloroethane	12.463	117	4878	0.469	ug/l		95
63)	Ethyl Benzene	9.563	91	27365	0.434	ug/l		94
64)	m/p-Xylenes	9.685	106	19488	0.827	ug/l		97
65)	o-Xylene	10.090	106	9693	0.420	ug/l		99
66)	Styrene	10.113	104	14889	0.406	ug/l		95
67)	Bromoform	10.283	173	3354	0.477	ug/l		96
69)	Isopropylbenzene	10.473	105	23072	0.425	ug/l		99
70)	1,1,2,2-Tetrachloroethane	10.775	83	6945	0.478	ug/l		96
71)	1,2,3-Trichloropropane	10.814	75	5077m	0.466	ug/l		
72)	Bromobenzene	10.778	156	6396	0.438	ug/l		70
73)	n-propylbenzene	10.897	120	6602	0.425	ug/l		97
74)	2-Chlorotoluene	10.978	126	6421	0.449	ug/l		99
75)	1,3,5-Trimethylbenzene	11.081	105	20008	0.398	ug/l		96
76)	4-Chlorotoluene	11.090	126	5838	0.398	ug/l		94
77)	tert-Butylbenzene	11.412	119	21863	0.430	ug/l		98
78)	1,2,4-Trimethylbenzene	11.460	105	18892	0.379	ug/l		99
79)	sec-Butylbenzene	11.634	105	26405	0.408	ug/l		100
81)	p-Isopropyltoluene	11.785	119	19497	0.382	ug/l		99
82)	1,3-Dichlorobenzene	11.743	146	13443	0.474	ug/l		97
83)	1,4-Dichlorobenzene	11.833	146	12863	0.464	ug/l		96
84)	n-Butylbenzene	12.203	91	17889	0.391	ug/l		96
85)	1,2-Dichlorobenzene	12.206	146	12433	0.456	ug/l		99
86)	1,2-Dibromo-3-Chloropr...	13.000	75	1088	0.534	ug/l	#	72
87)	1,2,4-Trichlorobenzene	13.843	180	5559	0.418	ug/l		97
88)	Hexachlorobutadiene	14.013	225	4771	0.503	ug/l		98
89)	Naphthalene	14.093	128	8431m	0.394	ug/l		
90)	1,2,3-Trichlorobenzene	14.328	180	5728	0.441	ug/l		95

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

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