Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101824\
Data File : VU061161.D
Acq On : 18 Oct 2024 13:26
Operator : MD/SY
Sample : P4368-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 19 00:12:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101724DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Sat Oct 19 00:10:10 2024
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2024

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/25/2024
Supervised By :Semsettin Yesilyurt 10/25/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.110	96	27455	1.000 ug/l	# 0.00
System Monitoring Compounds					
57) 4-Bromofluorobenzene	10.631	95	14365	0.985 ug/l	0.00
Spiked Amount 1.000			Recovery =	98.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	13108	0.912 ug/l	0.00
Spiked Amount 1.000			Recovery =	91.000%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.383	85	5446	0.360 ug/l	94
3) Chloromethane	1.515	50	5590	0.389 ug/l	96
4) Vinyl Chloride	1.599	62	5679	0.384 ug/l	99
5) Bromomethane	1.856	94	3992	0.430 ug/l #	80
6) Chloroethane	1.930	64	3719	0.376 ug/l	90
7) Trichlorofluoromethane	2.133	101	7504	0.357 ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	4192	0.401 ug/l	98
9) 1,1-Dichloroethene	2.576	96	4004	0.368 ug/l	95
10) Iodomethane	2.715	142	4130	0.319 ug/l	97
11) Allyl Chloride	2.917	41	5533	0.394 ug/l	98
12) Acrylonitrile	3.351	53	1476	0.674 ug/l #	79
13) Acetone	2.653	43	6516	2.280 ug/l	97
14) Carbon Disulfide	2.789	76	14224	0.379 ug/l	100
15) Methylene Chloride	3.039	84	6018	0.427 ug/l	97
16) trans-1,2-Dichloroethene	3.348	96	4615	0.361 ug/l	83
17) 1,1-Dichloroethane	3.866	63	8811	0.389 ug/l	99
18) 2-Butanone	4.756	43	5661	1.618 ug/l	94
19) Cyclohexane	5.380	56	7729m	0.381 ug/l	
20) Methylcyclohexane	6.753	83	8398	0.371 ug/l	94
21) 2,2-Dichloropropane	4.653	77	7433	0.356 ug/l	94
22) cis-1,2-Dichloroethene	4.663	96	5205	0.374 ug/l	97
23) Diethyl Ether	2.371	59	3270	0.386 ug/l	94
24) tert-Butyl Alcohol	3.255	59	3727m	4.220 ug/l	
25) Methyl tert-Butyl Ether	3.354	73	10420	0.357 ug/l	94
26) Bromochloromethane	4.968	128	2113	0.363 ug/l	90
27) Chloroform	5.081	83	9385	0.395 ug/l	87
28) 1,1,1-Trichloroethane	5.309	97	7207	0.344 ug/l	84
29) 1,1-Dichloropropene	5.522	75	6693	0.362 ug/l	98
30) Carbon Tetrachloride	5.518	117	6582	0.362 ug/l	94
31) Isopropyl Ether	3.985	45	11786	0.365 ug/l	93
32) Ethyl-t-butyl ether	4.496	59	12286	0.370 ug/l	100
33) Tert-Amyl methyl ether	5.930	73	11018m	0.368 ug/l	
34) Propionitrile	4.840	54	1311m	1.571 ug/l	
35) Benzene	5.769	78	20257	0.389 ug/l	96
36) 1,2-Dichloroethane	5.792	62	5460	0.371 ug/l	98
37) Trichloroethene	6.541	130	5258	0.378 ug/l	95
38) 1,2-Dichloropropane	6.785	63	5089	0.386 ug/l	95
39) Methacrylonitrile	5.007	41	1127m	0.375 ug/l	
40) Methyl acrylate	4.907	55	2198m	0.361 ug/l	
41) Tetrahydrofuran	5.075	42	1290m	0.715 ug/l	
42) 1-Chlorobutane	5.451	56	9089m	0.383 ug/l	
43) Dibromomethane	6.914	93	2543	0.372 ug/l	99
44) Bromodichloromethane	7.100	83	6133	0.368 ug/l	93

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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	7.792	43	12082	1.759	ug/l		97
46) t-1,4-Dichloro-2-butene	10.846	75	1581m	0.577	ug/l		
47) Methyl methacrylate	6.968	69	3910	0.657	ug/l		97
48) Ethyl methacrylate	8.335	69	4396	0.347	ug/l		100
49) Toluene	7.965	92	11939	0.363	ug/l		92
50) t-1,3-Dichloropropene	8.210	75	5461	0.340	ug/l		95
51) cis-1,3-Dichloropropene	7.608	75	7380	0.375	ug/l		96
52) 1,1,2-Trichloroethane	8.393	97	3361	0.364	ug/l		95
53) 1,3-Dichloropropane	8.570	76	5786	0.357	ug/l		99
54) 2-Hexanone	8.692	43	9943	1.762	ug/l		99
55) Dibromochloromethane	8.801	129	3907	0.359	ug/l		94
56) 1,2-Dibromoethane	8.920	107	3031	0.342	ug/l		92
58) Tetrachloroethene	8.547	164	4698	0.398	ug/l		94
59) Chlorobenzene	9.444	112	13128	0.370	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.525	131	4318	0.361	ug/l		96
61) Pentachloroethane	11.422	117	3197	0.349	ug/l		99
62) Hexachloroethane	12.467	117	3045	0.323	ug/l		97
63) Ethyl Benzene	9.566	91	23720	0.373	ug/l		96
64) m/p-Xylenes	9.689	106	17499	0.724	ug/l		99
65) o-Xylene	10.097	106	8621	0.362	ug/l		94
66) Styrene	10.113	104	12539	0.339	ug/l		97
67) Bromoform	10.287	173	1968	0.345	ug/l	#	92
69) Isopropylbenzene	10.480	105	20450	0.361	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.775	83	4109	0.366	ug/l		98
71) 1,2,3-Trichloropropane	10.820	75	3517m	0.385	ug/l		
72) Bromobenzene	10.779	156	5008	0.368	ug/l		85
73) n-propylbenzene	10.901	120	5912	0.358	ug/l		99
74) 2-Chlorotoluene	10.981	126	5202	0.364	ug/l		91
75) 1,3,5-Trimethylbenzene	11.081	105	17634	0.345	ug/l		98
76) 4-Chlorotoluene	11.097	126	5453	0.375	ug/l		97
77) tert-Butylbenzene	11.412	119	18164	0.360	ug/l		98
78) 1,2,4-Trimethylbenzene	11.463	105	18769	0.364	ug/l		99
79) sec-Butylbenzene	11.637	105	24827	0.378	ug/l		98
81) p-Isopropyltoluene	11.788	119	18357	0.337	ug/l		97
82) 1,3-Dichlorobenzene	11.743	146	9350	0.358	ug/l		98
83) 1,4-Dichlorobenzene	11.833	146	9706	0.372	ug/l		97
84) n-Butylbenzene	12.203	91	18144	0.359	ug/l		95
85) 1,2-Dichlorobenzene	12.209	146	9168	0.375	ug/l		97
86) 1,2-Dibromo-3-Chloropr...	12.997	75	576	0.346	ug/l	#	83
87) 1,2,4-Trichlorobenzene	13.843	180	5201	0.372	ug/l		96
88) Hexachlorobutadiene	14.013	225	3081	0.390	ug/l		95
89) Naphthalene	14.094	128	10490	0.425	ug/l	#	94
90) 1,2,3-Trichlorobenzene	14.325	180	5370	0.428	ug/l		96

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

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