Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101321\
Data File : VU045309.D
Acq On : 13 Oct 2021 15:38
Operator : SY/MD
Sample : M4068-08 0.5PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2021

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Quant Time: Oct 14 05:52:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101321DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Oct 14 05:46:27 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.121	96	40299	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	14268	0.964	ug/l	0.00
Spiked Amount 1.000			Recovery =	96.000%		
68) 1,2-Dichlorobenzene-d4	12.198	152	13585	0.980	ug/l	0.00
Spiked Amount 1.000			Recovery =	98.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	6751	0.438	ug/l	100
3) Chloromethane	1.520	50	7977	0.497	ug/l	96
4) Vinyl Chloride	1.604	62	7494	0.450	ug/l	96
5) Bromomethane	1.861	94	4965	0.544	ug/l	97
6) Chloroethane	1.938	64	5328m	0.494	ug/l	
7) Trichlorofluoromethane	2.141	101	8699	0.449	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	4953	0.442	ug/l	97
9) 1,1-Dichloroethene	2.581	96	4652	0.444	ug/l	94
10) Iodomethane	2.726	142	3788	0.345	ug/l	99
11) Allyl Chloride	2.932	41	6368	0.414	ug/l	95
12) Acrylonitrile	3.333	53	2077m	0.777	ug/l	
13) Acetone	2.649	43	8769m	2.751	ug/l	
14) Carbon Disulfide	2.797	76	14501	0.454	ug/l	99
15) Methylene Chloride	3.054	84	11136	0.878	ug/l	96
16) trans-1,2-Dichloroethene	3.359	96	4877	0.433	ug/l	93
17) 1,1-Dichloroethane	3.877	63	9546	0.452	ug/l	99
18) 2-Butanone	4.729	43	9318	2.299	ug/l	99
19) Cyclohexane	5.394	56	8054m	0.412	ug/l	
20) Methylcyclohexane	6.767	83	7656	0.394	ug/l	98
21) 2,2-Dichloropropane	4.671	77	7928	0.441	ug/l	96
22) cis-1,2-Dichloroethene	4.674	96	5527	0.446	ug/l	99
23) Diethyl Ether	2.382	59	4299	0.434	ug/l	89
24) tert-Butyl Alcohol	3.211	59	3479m	4.474	ug/l	
25) Methyl tert-Butyl Ether	3.375	73	12448	0.425	ug/l	97
26) Bromochloromethane	4.983	128	2247	0.425	ug/l	90
27) Chloroform	5.095	83	10186	0.471	ug/l	98
28) 1,1,1-Trichloroethane	5.324	97	7780	0.439	ug/l	98
29) 1,1-Dichloropropene	5.530	75	6842	0.422	ug/l	98
30) Carbon Tetrachloride	5.533	117	5517	0.402	ug/l	95
31) Isopropyl Ether	4.005	45	14660	0.438	ug/l	98
32) Ethyl-t-butyl ether	4.513	59	14596	0.433	ug/l	97
33) Tert-Amyl methyl ether	5.948	73	12785	0.428	ug/l	97
34) Propionitrile	4.809	54	2055m	2.037	ug/l	
35) Benzene	5.780	78	20683	0.442	ug/l	95
36) 1,2-Dichloroethane	5.803	62	6553	0.438	ug/l	95
37) Trichloroethene	6.549	130	5020	0.441	ug/l	94
38) 1,2-Dichloropropane	6.800	63	5144	0.423	ug/l	98
39) Methacrylonitrile	4.993	41	1823	0.456	ug/l #	84
40) Methyl acrylate	4.858	55	2824m	0.424	ug/l	
41) Tetrahydrofuran	5.073	42	1608	0.704	ug/l	93
42) 1-Chlorobutane	5.465	56	10194	0.438	ug/l	99
43) Dibromomethane	6.928	93	2513	0.417	ug/l	96
44) Bromodichloromethane	7.111	83	6513	0.433	ug/l #	94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.803	43	18189	2.210	ug/l		96
46) t-1,4-Dichloro-2-butene	10.838	75	2494m	0.860	ug/l		
47) Methyl methacrylate	6.970	69	5187	0.848	ug/l		97
48) Ethyl methacrylate	8.343	69	4938	0.409	ug/l		99
49) Toluene	7.976	92	12411	0.431	ug/l		93
50) t-1,3-Dichloropropene	8.218	75	6148	0.418	ug/l		90
51) cis-1,3-Dichloropropene	7.613	75	7374	0.429	ug/l		98
52) 1,1,2-Trichloroethane	8.407	97	3886	0.447	ug/l		97
53) 1,3-Dichloropropane	8.584	76	7661	0.473	ug/l		91
54) 2-Hexanone	8.697	43	14743	2.318	ug/l		98
55) Dibromochloromethane	8.816	129	3856	0.422	ug/l		98
56) 1,2-Dibromoethane	8.931	107	3674	0.449	ug/l		95
58) Tetrachloroethene	8.558	164	4462	0.435	ug/l		96
59) Chlorobenzene	9.452	112	13479	0.452	ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.539	131	4418	0.445	ug/l		95
61) Pentachloroethane	11.436	117	3116	0.431	ug/l		94
62) Hexachloroethane	12.478	117	2968	0.391	ug/l		99
63) Ethyl Benzene	9.574	91	21903	0.408	ug/l		99
64) m/p-Xylenes	9.700	106	15935	0.783	ug/l		98
65) o-Xylene	10.105	106	8366	0.421	ug/l		95
66) Styrene	10.121	104	12658	0.389	ug/l		100
67) Bromoform	10.295	173	1908	0.399	ug/l	#	91
69) Isopropylbenzene	10.491	105	21216	0.406	ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.787	83	4868	0.436	ug/l		94
71) 1,2,3-Trichloropropane	10.832	75	4577m	0.497	ug/l		
72) Bromobenzene	10.787	156	5151	0.447	ug/l		96
73) n-propylbenzene	10.912	120	5196	0.380	ug/l		85
74) 2-Chlorotoluene	10.992	126	4917	0.417	ug/l		94
75) 1,3,5-Trimethylbenzene	11.092	105	16948	0.389	ug/l		99
76) 4-Chlorotoluene	11.105	126	4999	0.415	ug/l		100
77) tert-Butylbenzene	11.426	119	17171	0.406	ug/l		98
78) 1,2,4-Trimethylbenzene	11.475	105	17454	0.392	ug/l		98
79) sec-Butylbenzene	11.648	105	23316	0.400	ug/l		100
80) Nitrobenzene	13.224	77	734	2.308	ug/l	#	72
81) p-Isopropyltoluene	11.799	119	17788	0.380	ug/l		99
82) 1,3-Dichlorobenzene	11.751	146	10058	0.437	ug/l		97
83) 1,4-Dichlorobenzene	11.841	146	10529	0.462	ug/l		97
84) n-Butylbenzene	12.214	91	16700	0.375	ug/l		99
85) 1,2-Dichlorobenzene	12.217	146	9611	0.439	ug/l		96
86) 1,2-Dibromo-3-Chloropr...	13.002	75	818	0.441	ug/l		94
87) 1,2,4-Trichlorobenzene	13.844	180	5754	0.427	ug/l		98
88) Hexachlorobutadiene	14.028	225	2458	0.390	ug/l		96
89) Naphthalene	14.092	128	12765	0.482	ug/l		98
90) 1,2,3-Trichlorobenzene	14.336	180	5536	0.442	ug/l		97

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

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