Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101321\
Data File : VU045308.D
Acq On : 13 Oct 2021 14:58
Operator : SY/MD
Sample : VU1013WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU1013WBSD01

Manual Integrations APPROVED
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10/14/2021 2:36:59 PM

Quant Time: Oct 14 05:51:49 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	6.118	96	41016	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	14396	0.956	ug/l	0.00
Spiked Amount 1.000			Recovery =	96.000%		
68) 1,2-Dichlorobenzene-d4	12.198	152	13736	0.974	ug/l	0.00
Spiked Amount 1.000			Recovery =	97.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	29193	1.862	ug/l	100
3) Chloromethane	1.520	50	30372	1.860	ug/l	97
4) Vinyl Chloride	1.604	62	31316	1.849	ug/l	99
5) Bromomethane	1.858	94	18414	1.982	ug/l	100
6) Chloroethane	1.935	64	20545	1.872	ug/l	94
7) Trichlorofluoromethane	2.138	101	36127	1.831	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	21825	1.913	ug/l	99
9) 1,1-Dichloroethene	2.581	96	19505	1.829	ug/l	100
10) Iodomethane	2.726	142	17951	1.608	ug/l	99
11) Allyl Chloride	2.925	41	28311	1.809	ug/l	98
12) Acrylonitrile	3.330	53	9840	3.619	ug/l	93
13) Acetone	2.646	43	35087m	10.815	ug/l	
14) Carbon Disulfide	2.793	76	58928	1.811	ug/l	99
15) Methylene Chloride	3.051	84	28553	2.211	ug/l	98
16) trans-1,2-Dichloroethene	3.359	96	21081	1.839	ug/l	97
17) 1,1-Dichloroethane	3.877	63	39769	1.849	ug/l	98
18) 2-Butanone	4.723	43	41878	10.151	ug/l	99
19) Cyclohexane	5.391	56	35771m	1.798	ug/l	
20) Methylcyclohexane	6.768	83	36101	1.824	ug/l	100
21) 2,2-Dichloropropane	4.671	77	34443	1.885	ug/l	100
22) cis-1,2-Dichloroethene	4.671	96	23500	1.864	ug/l	98
23) Diethyl Ether	2.382	59	18663	1.849	ug/l	98
24) tert-Butyl Alcohol	3.228	59	14423m	18.226	ug/l	
25) Methyl tert-Butyl Ether	3.372	73	54557	1.832	ug/l	100
26) Bromochloromethane	4.983	128	9695	1.800	ug/l	95
27) Chloroform	5.096	83	41355	1.879	ug/l	98
28) 1,1,1-Trichloroethane	5.321	97	33457	1.855	ug/l	99
29) 1,1-Dichloropropene	5.533	75	30182	1.831	ug/l	98
30) Carbon Tetrachloride	5.530	117	25568	1.829	ug/l	100
31) Isopropyl Ether	4.002	45	63008	1.851	ug/l	98
32) Ethyl-t-butyl ether	4.510	59	61663	1.799	ug/l	98
33) Tert-Amyl methyl ether	5.948	73	55515	1.828	ug/l	99
34) Propionitrile	4.800	54	9568	9.320	ug/l #	1
35) Benzene	5.780	78	88966	1.867	ug/l	100
36) 1,2-Dichloroethane	5.803	62	27622	1.816	ug/l	100
37) Trichloroethene	6.546	130	21354	1.843	ug/l	98
38) 1,2-Dichloropropane	6.796	63	22708	1.837	ug/l	96
39) Methacrylonitrile	4.983	41	7366	1.811	ug/l	95
40) Methyl acrylate	4.854	55	14571	2.151	ug/l #	98
41) Tetrahydrofuran	5.073	42	8459m	3.639	ug/l	
42) 1-Chlorobutane	5.465	56	43142	1.822	ug/l	98
43) Dibromomethane	6.925	93	11390	1.857	ug/l	98
44) Bromodichloromethane	7.112	83	28493	1.862	ug/l #	98

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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	7.800	43	77900	9.298	ug/l		98
46) t-1,4-Dichloro-2-butene	10.838	75	10904m	3.696	ug/l		
47) Methyl methacrylate	6.967	69	22642	3.639	ug/l		99
48) Ethyl methacrylate	8.340	69	21742	1.769	ug/l		100
49) Toluene	7.973	92	53978	1.840	ug/l		99
50) t-1,3-Dichloropropene	8.218	75	27060	1.806	ug/l		97
51) cis-1,3-Dichloropropene	7.613	75	31617	1.806	ug/l		98
52) 1,1,2-Trichloroethane	8.404	97	16752	1.894	ug/l		98
53) 1,3-Dichloropropane	8.581	76	29549	1.793	ug/l		99
54) 2-Hexanone	8.694	43	63078	9.746	ug/l		100
55) Dibromochloromethane	8.816	129	16825	1.810	ug/l		98
56) 1,2-Dibromoethane	8.928	107	15431	1.853	ug/l		99
58) Tetrachloroethene	8.558	164	19738	1.889	ug/l		97
59) Chlorobenzene	9.452	112	55529	1.828	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.539	131	18527	1.833	ug/l		100
61) Pentachloroethane	11.430	117	13480	1.834	ug/l		98
62) Hexachloroethane	12.481	117	13639	1.766	ug/l		99
63) Ethyl Benzene	9.575	91	100824	1.846	ug/l		99
64) m/p-Xylenes	9.700	106	75814	3.660	ug/l		99
65) o-Xylene	10.105	106	37599	1.858	ug/l		100
66) Styrene	10.118	104	60143	1.818	ug/l		99
67) Bromoform	10.298	173	8756	1.800	ug/l		98
69) Isopropylbenzene	10.488	105	97462	1.834	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.787	83	21044	1.851	ug/l		97
71) 1,2,3-Trichloropropane	10.832	75	17337m	1.851	ug/l		
72) Bromobenzene	10.787	156	22466	1.914	ug/l		97
73) n-propylbenzene	10.909	120	25297	1.819	ug/l		98
74) 2-Chlorotoluene	10.989	126	22129	1.844	ug/l		99
75) 1,3,5-Trimethylbenzene	11.092	105	81822	1.846	ug/l		99
76) 4-Chlorotoluene	11.102	126	23747	1.935	ug/l		94
77) tert-Butylbenzene	11.423	119	78142	1.816	ug/l		98
78) 1,2,4-Trimethylbenzene	11.472	105	83305	1.841	ug/l		99
79) sec-Butylbenzene	11.648	105	109497	1.845	ug/l		99
80) Nitrobenzene	13.211	77	2536	7.836	ug/l	#	97
81) p-Isopropyltoluene	11.796	119	87730	1.844	ug/l		99
82) 1,3-Dichlorobenzene	11.751	146	43942	1.874	ug/l		99
83) 1,4-Dichlorobenzene	11.841	146	43646	1.882	ug/l		99
84) n-Butylbenzene	12.214	91	83098	1.833	ug/l		99
85) 1,2-Dichlorobenzene	12.217	146	41672	1.871	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	13.002	75	3461	1.832	ug/l		96
87) 1,2,4-Trichlorobenzene	13.844	180	25411	1.851	ug/l		97
88) Hexachlorobutadiene	14.028	225	12134	1.890	ug/l		100
89) Naphthalene	14.092	128	45755	1.696	ug/l		99
90) 1,2,3-Trichlorobenzene	14.333	180	23095	1.812	ug/l		100

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

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