Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101321\
Data File : VU045299.D
Acq On : 13 Oct 2021 09:51
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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10/14/2021 2:37:09 PM

Quant Time: Oct 14 05:03:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101321DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Oct 14 05:02:20 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.121	96	39552	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	14949	1.007	ug/l	0.00
Spiked Amount 1.000			Recovery = 101.000%			
68) 1,2-Dichlorobenzene-d4	12.198	152	13555	0.808	ug/l	0.00
Spiked Amount 1.000			Recovery = 81.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	8335	0.541	ug/l	98
3) Chloromethane	1.520	50	9404	0.540	ug/l	98
4) Vinyl Chloride	1.604	62	8932	0.453	ug/l	99
5) Bromomethane	1.861	94	5381	0.354	ug/l	99
6) Chloroethane	1.935	64	5982	0.412	ug/l	92
7) Trichlorofluoromethane	2.141	101	10824	0.356	ug/l	92
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	5983	0.325	ug/l	97
9) 1,1-Dichloroethene	2.581	96	5624	0.331	ug/l	98
10) Iodomethane	2.726	142	4849	0.245	ug/l	100
11) Allyl Chloride	2.928	41	8309	0.415	ug/l	97
12) Acrylonitrile	3.337	53	2531	0.792	ug/l #	83
13) Acetone	2.658	43	9931	4.570	ug/l	97
14) Carbon Disulfide	2.797	76	17447	0.352	ug/l	98
15) Methylene Chloride	3.054	84	7689	0.283	ug/l	94
16) trans-1,2-Dichloroethene	3.359	96	6031	0.329	ug/l	99
17) 1,1-Dichloroethane	3.877	63	11078	0.354	ug/l	100
18) 2-Butanone	4.739	43	10921	2.941	ug/l	97
19) Cyclohexane	5.394	56	10262m	0.363	ug/l	
20) Methylcyclohexane	6.767	83	9994	0.564	ug/l	100
21) 2,2-Dichloropropane	4.671	77	9851	0.344	ug/l	95
22) cis-1,2-Dichloroethene	4.671	96	6449	0.309	ug/l	98
23) Diethyl Ether	2.382	59	5413	0.435	ug/l	95
24) tert-Butyl Alcohol	3.279	59	3918m	5.834	ug/l	
25) Methyl tert-Butyl Ether	3.375	73	15702	0.368	ug/l	95
26) Bromochloromethane	4.983	128	2912	0.298	ug/l	98
27) Chloroform	5.095	83	12321	0.341	ug/l	96
28) 1,1,1-Trichloroethane	5.321	97	9521	0.310	ug/l	98
29) 1,1-Dichloropropene	5.530	75	8325	0.558	ug/l	100
30) Carbon Tetrachloride	5.533	117	7326	0.511	ug/l	95
31) Isopropyl Ether	4.005	45	17221	0.385	ug/l	98
32) Ethyl-t-butyl ether	4.513	59	17350	0.355	ug/l	100
33) Tert-Amyl methyl ether	5.951	73	15059	0.585	ug/l	98
34) Propionitrile	4.819	54	2346	2.355	ug/l #	82
35) Benzene	5.780	78	25472	0.598	ug/l	98
36) 1,2-Dichloroethane	5.803	62	8166	0.590	ug/l	97
37) Trichloroethene	6.549	130	6030	0.503	ug/l	98
38) 1,2-Dichloropropane	6.796	63	6605	0.613	ug/l	99
39) Methacrylonitrile	4.989	41	1970	0.370	ug/l #	85
40) Methyl acrylate	4.861	55	3057	0.346	ug/l #	93
41) Tetrahydrofuran	5.089	42	2636m	0.970	ug/l	
42) 1-Chlorobutane	5.465	56	12314	0.631	ug/l	99
43) Dibromomethane	6.925	93	3088	0.483	ug/l	94
44) Bromodichloromethane	7.115	83	7861	0.529	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.803	43	21073	3.084	ug/l		99
46) t-1,4-Dichloro-2-butene	10.841	75	2614m	0.931	ug/l		
47) Methyl methacrylate	6.970	69	6293	1.144	ug/l		97
48) Ethyl methacrylate	8.343	69	5659	0.512	ug/l		97
49) Toluene	7.973	92	14785	0.536	ug/l		99
50) t-1,3-Dichloropropene	8.218	75	7701	0.583	ug/l		99
51) cis-1,3-Dichloropropene	7.613	75	8646	0.572	ug/l		96
52) 1,1,2-Trichloroethane	8.407	97	4542	0.502	ug/l		95
53) 1,3-Dichloropropane	8.581	76	8952	0.569	ug/l		97
54) 2-Hexanone	8.697	43	17642	3.579	ug/l		96
55) Dibromochloromethane	8.816	129	4799	0.473	ug/l		99
56) 1,2-Dibromoethane	8.931	107	4245	0.481	ug/l		94
58) Tetrachloroethene	8.558	164	5597	0.502	ug/l		96
59) Chlorobenzene	9.452	112	15831	0.513	ug/l		95
60) 1,1,1,2-Tetrachloroethane	9.542	131	5214	0.476	ug/l		99
61) Pentachloroethane	11.433	117	3560	0.416	ug/l		98
62) Hexachloroethane	12.481	117	3987	0.462	ug/l		91
63) Ethyl Benzene	9.574	91	27051	0.524	ug/l		97
64) m/p-Xylenes	9.700	106	19881	0.972	ug/l		100
65) o-Xylene	10.105	106	10003	0.505	ug/l		100
66) Styrene	10.121	104	15510	0.466	ug/l		99
67) Bromoform	10.298	173	2321	0.411	ug/l	#	97
69) Isopropylbenzene	10.488	105	26277	0.507	ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.790	83	5912	0.487	ug/l		99
71) 1,2,3-Trichloropropane	10.832	75	5218m	0.594	ug/l		
72) Bromobenzene	10.790	156	5929	0.454	ug/l		96
73) n-propylbenzene	10.912	120	6857	0.480	ug/l		98
74) 2-Chlorotoluene	10.989	126	6031	0.471	ug/l		97
75) 1,3,5-Trimethylbenzene	11.092	105	20588	0.463	ug/l		98
76) 4-Chlorotoluene	11.105	126	6011	0.446	ug/l		95
77) tert-Butylbenzene	11.423	119	21075	0.477	ug/l		98
78) 1,2,4-Trimethylbenzene	11.475	105	21464	0.472	ug/l		99
79) sec-Butylbenzene	11.648	105	28992	0.483	ug/l		98
80) Nitrobenzene	13.217	77	665	2.337	ug/l	#	64
81) p-Isopropyltoluene	11.799	119	22046	0.451	ug/l		99
82) 1,3-Dichlorobenzene	11.751	146	12226	0.469	ug/l		97
83) 1,4-Dichlorobenzene	11.841	146	11840	0.453	ug/l		100
84) n-Butylbenzene	12.214	91	20842	0.448	ug/l		99
85) 1,2-Dichlorobenzene	12.217	146	11888	0.458	ug/l		100
86) 1,2-Dibromo-3-Chloropr...	13.005	75	869	0.485	ug/l		98
87) 1,2,4-Trichlorobenzene	13.844	180	6706	0.415	ug/l		97
88) Hexachlorobutadiene	14.028	225	3223	0.363	ug/l		96
89) Naphthalene	14.092	128	12733	0.406	ug/l		98
90) 1,2,3-Trichlorobenzene	14.336	180	6136	0.393	ug/l		99

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

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