Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU123021\
Data File : VU046643.D
Acq On : 30 Dec 2021 10:10
Operator : SY/MD
Sample : VSTDICC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 30 11:00:43 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U123021DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Dec 30 10:57:02 2021
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2021
Supervised By :Mahesh Dadoda 01/03/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.118	96	20285	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	7764	1.055	ug/l	0.00
Spiked Amount 1.000			Recovery = 105.000%			
68) 1,2-Dichlorobenzene-d4	12.195	152	7775	1.101	ug/l	0.00
Spiked Amount 1.000			Recovery = 110.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	39815	5.214	ug/l	100
3) Chloromethane	1.523	50	33995	4.343	ug/l	99
4) Vinyl Chloride	1.607	62	37155	4.564	ug/l	99
5) Bromomethane	1.864	94	18127	4.063	ug/l	99
6) Chloroethane	1.941	64	21969	4.201	ug/l	95
7) Trichlorofluoromethane	2.144	101	52725	5.423	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.587	101	29053	5.220	ug/l	95
9) 1,1-Dichloroethene	2.587	96	26656	5.099	ug/l	91
10) Iodomethane	2.729	142	23948	4.466	ug/l	87
11) Allyl Chloride	2.928	41	34776	4.634	ug/l	96
12) Acrylonitrile	3.340	53	14763	10.969	ug/l	93
13) Acetone	2.671	43	32566m	21.317	ug/l	
14) Carbon Disulfide	2.800	76	83907	5.232	ug/l	97
15) Methylene Chloride	3.054	84	31549	4.993	ug/l	96
16) trans-1,2-Dichloroethene	3.362	96	28355	5.043	ug/l	94
17) 1,1-Dichloroethane	3.877	63	53131	5.068	ug/l	99
18) 2-Butanone	4.732	43	46672	23.423	ug/l	98
19) Cyclohexane	5.394	56	35994	3.860	ug/l #	81
20) Methylcyclohexane	6.767	83	43934	4.629	ug/l	99
21) 2,2-Dichloropropane	4.671	77	44714	5.004	ug/l	100
22) cis-1,2-Dichloroethene	4.674	96	31627	5.131	ug/l	93
23) Diethyl Ether	2.382	59	20631	4.311	ug/l	95
24) tert-Butyl Alcohol	3.366	59	23817m	58.309	ug/l	
25) Methyl tert-Butyl Ether	3.369	73	67170	4.648	ug/l	97
26) Bromochloromethane	4.980	128	14967	5.575	ug/l	93
27) Chloroform	5.092	83	57230	5.267	ug/l	98
28) 1,1,1-Trichloroethane	5.321	97	50064	5.581	ug/l	97
29) 1,1-Dichloropropene	5.529	75	41915	5.180	ug/l	100
30) Carbon Tetrachloride	5.529	117	45675	6.381	ug/l	100
31) Isopropyl Ether	3.996	45	67100	4.139	ug/l	93
32) Ethyl-t-butyl ether	4.504	59	66139	4.068	ug/l	95
33) Tert-Amyl methyl ether	5.944	73	66320	4.550	ug/l	99
34) Propionitrile	4.816	54	15171	29.888	ug/l #	71
35) Benzene	5.777	78	118984	5.106	ug/l	98
36) 1,2-Dichloroethane	5.800	62	39963	5.315	ug/l	99
37) Trichloroethene	6.546	130	29110	5.131	ug/l	100
38) 1,2-Dichloropropane	6.793	63	31394	5.187	ug/l	99
39) Methacrylonitrile	4.980	41	10384	5.190	ug/l	99
40) Methyl acrylate	4.851	55	18028	5.342	ug/l	97
41) Tetrahydrofuran	5.070	42	10549	9.232	ug/l	99
42) 1-Chlorobutane	5.462	56	55660	4.836	ug/l	97
43) Dibromomethane	6.922	93	18215	5.901	ug/l	98
44) Bromodichloromethane	7.108	83	43745	5.724	ug/l	98

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Dec 30 10:57:02 2021
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Instrument :
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VSTDICC005

Manual Integrations APPROVED

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	103335	25.204	ug/l		99
46) t-1,4-Dichloro-2-butene	10.835	75	19754m	13.106	ug/l		
47) Methyl methacrylate	6.964	69	31532	10.291	ug/l		93
48) Ethyl methacrylate	8.336	69	27204	4.589	ug/l		93
49) Toluene	7.970	92	72563	5.054	ug/l		97
50) t-1,3-Dichloropropene	8.211	75	40387	5.455	ug/l		98
51) cis-1,3-Dichloropropene	7.610	75	42391	4.945	ug/l		92
52) 1,1,2-Trichloroethane	8.401	97	25256	5.723	ug/l		97
53) 1,3-Dichloropropane	8.578	76	42961	5.261	ug/l		97
54) 2-Hexanone	8.690	43	75308	23.851	ug/l		98
55) Dibromochloromethane	8.812	129	32039	6.720	ug/l		97
56) 1,2-Dibromoethane	8.925	107	24228	5.816	ug/l		100
58) Tetrachloroethene	8.555	164	25861	5.052	ug/l		100
59) Chlorobenzene	9.449	112	74587	5.022	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.536	131	30414	5.990	ug/l		98
61) Pentachloroethane	11.430	117	28609m	7.650	ug/l		
62) Hexachloroethane	12.478	117	26008	6.610	ug/l		98
63) Ethyl Benzene	9.571	91	126283	4.749	ug/l		99
64) m/p-Xylenes	9.697	106	107497	10.572	ug/l		100
65) o-Xylene	10.102	106	48471	4.907	ug/l		98
66) Styrene	10.115	104	88081	5.395	ug/l		98
67) Bromoform	10.295	173	19234	7.520	ug/l	#	99
69) Isopropylbenzene	10.488	105	128339	4.962	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.783	83	34003	5.948	ug/l		98
71) 1,2,3-Trichloropropane	10.825	75	22162m	4.827	ug/l		
72) Bromobenzene	10.783	156	32476	5.567	ug/l		93
73) n-propylbenzene	10.909	120	37664	5.505	ug/l		93
74) 2-Chlorotoluene	10.989	126	31813	5.382	ug/l		97
75) 1,3,5-Trimethylbenzene	11.089	105	115143	5.294	ug/l		99
76) 4-Chlorotoluene	11.098	126	34757	5.706	ug/l		94
77) tert-Butylbenzene	11.423	119	108007	5.110	ug/l		97
78) 1,2,4-Trimethylbenzene	11.468	105	118535	5.334	ug/l		98
79) sec-Butylbenzene	11.645	105	151441	5.204	ug/l		100
80) Nitrobenzene	13.214	77	7363	40.015	ug/l		95
81) p-Isopropyltoluene	11.796	119	125582	5.359	ug/l		100
82) 1,3-Dichlorobenzene	11.748	146	67465	5.772	ug/l		99
83) 1,4-Dichlorobenzene	11.838	146	67406	5.802	ug/l		100
84) n-Butylbenzene	12.211	91	115829	5.223	ug/l		98
85) 1,2-Dichlorobenzene	12.214	146	63523	5.704	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	12.995	75	6620	6.787	ug/l		99
87) 1,2,4-Trichlorobenzene	13.841	180	38868	5.663	ug/l		99
88) Hexachlorobutadiene	14.021	225	23209	6.970	ug/l		98
89) Naphthalene	14.089	128	72852	5.374	ug/l		99
90) 1,2,3-Trichlorobenzene	14.330	180	38833	5.990	ug/l		98

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

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