Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083121\
Data File : VU044534.D
Acq On : 31 Aug 2021 17:12
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 01 00:36:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U083121DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Sep 01 00:35:55 2021
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
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9/1/2021 12:53:00 PM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.121	96	20903	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.639	95	6910	0.811	ug/l		0.00
Spiked Amount 1.000			Recovery =	81.000%			
68) 1,2-Dichlorobenzene-d4	12.201	152	8177	0.962	ug/l		0.00
Spiked Amount 1.000			Recovery =	96.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.388	85	3676	0.486	ug/l		94
3) Chloromethane	1.523	50	4868	0.590	ug/l		98
4) Vinyl Chloride	1.607	62	4899	0.568	ug/l	#	76
5) Bromomethane	1.864	94	4495	0.880	ug/l		97
6) Chloroethane	1.941	64	4148	0.747	ug/l		89
7) Trichlorofluoromethane	2.144	101	7672	0.736	ug/l		99
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	4697	0.725	ug/l		98
9) 1,1-Dichloroethene	2.588	96	4254	0.683	ug/l		92
10) Iodomethane	2.729	142	4353	0.530	ug/l		95
11) Allyl Chloride	2.932	41	4807	0.516	ug/l		86
12) Acrylonitrile	3.334	53	1393	1.052	ug/l		89
13) Acetone	2.642	43	2523	3.892	ug/l	#	80
14) Carbon Disulfide	2.800	76	12386	0.621	ug/l		97
15) Methylene Chloride	3.054	84	10867	1.269	ug/l		96
16) trans-1,2-Dichloroethene	3.359	96	4605	0.667	ug/l		97
17) 1,1-Dichloroethane	3.880	63	8073	0.647	ug/l		98
18) 2-Butanone	4.739	43	3947	2.813	ug/l		96
19) Cyclohexane	5.388	56	7313m	0.641	ug/l		
20) Methylcyclohexane	6.764	83	3976	0.378	ug/l		98
21) 2,2-Dichloropropane	4.678	77	8276	0.800	ug/l		92
22) cis-1,2-Dichloroethene	4.674	96	5396	0.707	ug/l		96
23) Diethyl Ether	2.385	59	3042	0.609	ug/l		93
24) tert-Butyl Alcohol	3.205	59	3174	10.877	ug/l	#	77
25) Methyl tert-Butyl Ether	3.382	73	10835	0.649	ug/l		96
26) Bromochloromethane	4.983	128	2540	0.762	ug/l		96
27) Chloroform	5.099	83	9886	0.780	ug/l		96
28) 1,1,1-Trichloroethane	5.324	97	7870	0.734	ug/l		95
29) 1,1-Dichloropropene	5.533	75	3537	0.419	ug/l		95
30) Carbon Tetrachloride	5.526	117	3202	0.419	ug/l		92
31) Isopropyl Ether	4.015	45	10715	0.538	ug/l		86
32) Ethyl-t-butyl ether	4.523	59	12608	0.628	ug/l		98
33) Tert-Amyl methyl ether	5.961	73	5731	0.361	ug/l		98
34) Propionitrile	4.806	54	965	2.402	ug/l	#	71
35) Benzene	5.780	78	10068	0.409	ug/l		97
36) 1,2-Dichloroethane	5.806	62	3211	0.443	ug/l	#	92
37) Trichloroethene	6.549	130	2816	0.445	ug/l		90
38) 1,2-Dichloropropane	6.803	63	2415	0.372	ug/l		96
39) Methacrylonitrile	4.999	41	1293	0.568	ug/l	#	64
40) Methyl acrylate	4.874	55	1947	0.549	ug/l	#	89
41) Tetrahydrofuran	5.083	42	1746	1.669	ug/l	#	79
42) 1-Chlorobutane	5.465	56	4589	0.388	ug/l		100
43) Dibromomethane	6.928	93	1508	0.454	ug/l		95
44) Bromodichloromethane	7.115	83	3510	0.444	ug/l		99

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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	7.813	43	7547	1.743	ug/l		93
46) t-1,4-Dichloro-2-butene	10.841	75	1175m	0.644	ug/l		
47) Methyl methacrylate	6.980	69	2265	0.645	ug/l		94
48) Ethyl methacrylate	8.343	69	2376	0.326	ug/l		95
49) Toluene	7.980	92	5981	0.380	ug/l		99
50) t-1,3-Dichloropropene	8.221	75	2580	0.323	ug/l	#	87
51) cis-1,3-Dichloropropene	7.616	75	3202	0.341	ug/l		97
52) 1,1,2-Trichloroethane	8.411	97	2043	0.416	ug/l		96
53) 1,3-Dichloropropane	8.584	76	3583	0.404	ug/l		99
54) 2-Hexanone	8.700	43	5333	1.730	ug/l		89
55) Dibromochloromethane	8.816	129	2186	0.408	ug/l		98
56) 1,2-Dibromoethane	8.928	107	2065	0.429	ug/l		98
58) Tetrachloroethene	8.559	164	2561	0.466	ug/l		98
59) Chlorobenzene	9.452	112	6843	0.407	ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.542	131	2538	0.448	ug/l		98
61) Pentachloroethane	11.436	117	1748	0.383	ug/l		99
62) Hexachloroethane	12.481	117	1808	0.382	ug/l		100
63) Ethyl Benzene	9.575	91	10684	0.358	ug/l		99
64) m/p-Xylenes	9.703	106	8069	0.700	ug/l		95
65) o-Xylene	10.105	106	3925	0.353	ug/l		92
66) Styrene	10.121	104	6656	0.347	ug/l		97
67) Bromoform	10.298	173	1234	0.412	ug/l	#	88
69) Isopropylbenzene	10.491	105	10633	0.359	ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.790	83	2750	0.425	ug/l	#	94
71) 1,2,3-Trichloropropane	10.832	75	2071m	0.396	ug/l		
72) Bromobenzene	10.790	156	3003	0.431	ug/l		97
73) n-propylbenzene	10.912	120	2772	0.344	ug/l		94
74) 2-Chlorotoluene	10.992	126	2692	0.387	ug/l		97
75) 1,3,5-Trimethylbenzene	11.092	105	8662	0.342	ug/l		96
76) 4-Chlorotoluene	11.105	126	2699	0.369	ug/l		98
77) tert-Butylbenzene	11.427	119	8908	0.359	ug/l		99
78) 1,2,4-Trimethylbenzene	11.475	105	8899	0.347	ug/l		99
79) sec-Butylbenzene	11.648	105	11879	0.352	ug/l		99
80) Nitrobenzene	13.221	77	197	1.050	ug/l	#	39
81) p-Isopropyltoluene	11.800	119	8938	0.318	ug/l		98
82) 1,3-Dichlorobenzene	11.751	146	5624	0.404	ug/l		94
83) 1,4-Dichlorobenzene	11.845	146	5594	0.398	ug/l		99
84) n-Butylbenzene	12.218	91	8674	0.318	ug/l		99
85) 1,2-Dichlorobenzene	12.221	146	5736	0.422	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	13.002	75	352	0.318	ug/l	#	86
87) 1,2,4-Trichlorobenzene	13.844	180	3365	0.359	ug/l	#	93
88) Hexachlorobutadiene	14.028	225	2049	0.444	ug/l		96
89) Naphthalene	14.095	128	6033	0.324	ug/l		95
90) 1,2,3-Trichlorobenzene	14.336	180	3530	0.410	ug/l		94

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

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