Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070721\
Data File : VU044311.D
Acq On : 07 Jul 2021 11:34
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
MMDadoda
7/9/2021 6:26:34 PM

Quant Time: Jul 08 01:15:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070721DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 08 01:14:30 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.121	96	31017	1.000 ug/l	# 0.00
System Monitoring Compounds					
57) 4-Bromofluorobenzene	10.642	95	13551	1.220 ug/l	0.00
Spiked Amount 1.000			Recovery = 122.000%		
68) 1,2-Dichlorobenzene-d4	12.201	152	13645	1.150 ug/l	0.00
Spiked Amount 1.000			Recovery = 115.000%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.388	85	4889	0.386 ug/l	97
3) Chloromethane	1.523	50	5263	0.390 ug/l	95
4) Vinyl Chloride	1.610	62	5020	0.388 ug/l	98
5) Bromomethane	1.864	94	3173	0.408 ug/l	99
6) Chloroethane	1.941	64	3542	0.440 ug/l	94
7) Trichlorofluoromethane	2.147	101	7516	0.495 ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	4340	0.495 ug/l	95
9) 1,1-Dichloroethene	2.591	96	3826	0.468 ug/l	93
10) Iodomethane	2.732	142	2952	0.293 ug/l	99
11) Allyl Chloride	2.932	41	7173	0.538 ug/l	97
12) Acrylonitrile	3.327	53	1961	1.187 ug/l	87
13) Acetone	2.639	43	3601	3.414 ug/l	98
14) Carbon Disulfide	2.803	76	10662	0.393 ug/l	98
15) Methylene Chloride	3.054	84	13383	1.082 ug/l	96
16) trans-1,2-Dichloroethene	3.362	96	4436	0.491 ug/l	86
17) 1,1-Dichloroethane	3.880	63	8560	0.490 ug/l	99
18) 2-Butanone	4.739	43	6420	3.071 ug/l	95
19) Cyclohexane	5.385	56	6978	0.434 ug/l	92
20) Methylcyclohexane	6.767	83	6740	0.513 ug/l	98
21) 2,2-Dichloropropane	4.677	77	8976	0.624 ug/l	99
22) cis-1,2-Dichloroethene	4.674	96	5186	0.534 ug/l	96
23) Diethyl Ether	2.385	59	3247	0.486 ug/l #	88
24) tert-Butyl Alcohol	3.202	59	2878	4.085 ug/l #	94
25) Methyl tert-Butyl Ether	3.382	73	11817	0.558 ug/l #	83
26) Bromochloromethane	4.989	128	2341	0.586 ug/l	84
27) Chloroform	5.095	83	9792	0.569 ug/l	98
28) 1,1,1-Trichloroethane	5.324	97	8159	0.554 ug/l	96
29) 1,1-Dichloropropene	5.533	75	5643	0.429 ug/l #	90
30) Carbon Tetrachloride	5.530	117	5982	0.476 ug/l	97
31) Isopropyl Ether	4.015	45	14942	0.532 ug/l	98
32) Ethyl-t-butyl ether	4.530	59	14504	0.566 ug/l	98
33) Tert-Amyl methyl ether	5.964	73	11098	0.560 ug/l	97
34) Propionitrile	4.803	54	1562	2.875 ug/l #	65
35) Benzene	5.780	78	16030	0.422 ug/l	97
36) 1,2-Dichloroethane	5.806	62	5169	0.455 ug/l	100
37) Trichloroethene	6.549	130	4257	0.470 ug/l	91
38) 1,2-Dichloropropane	6.803	63	4476	0.445 ug/l	96
39) Methacrylonitrile	4.996	41	1860	0.589 ug/l #	62
40) Methyl acrylate	4.867	55	2241	0.463 ug/l #	91
41) Tetrahydrofuran	5.083	42	1487	0.998 ug/l	95
42) 1-Chlorobutane	5.465	56	8114	0.431 ug/l	98
43) Dibromomethane	6.928	93	2418	0.481 ug/l	94
44) Bromodichloromethane	7.115	83	5943	0.473 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	7.812	43	17117	2.968	ug/l		98
46) t-1,4-Dichloro-2-butene	10.844	75	2183m	0.852	ug/l		
47) Methyl methacrylate	6.980	69	4751	1.095	ug/l		91
48) Ethyl methacrylate	8.349	69	5220	0.640	ug/l		95
49) Toluene	7.976	92	10523	0.496	ug/l		97
50) t-1,3-Dichloropropene	8.221	75	5779	0.518	ug/l		100
51) cis-1,3-Dichloropropene	7.616	75	6886	0.549	ug/l		99
52) 1,1,2-Trichloroethane	8.410	97	3191	0.443	ug/l		92
53) 1,3-Dichloropropane	8.584	76	6111	0.482	ug/l		96
54) 2-Hexanone	8.703	43	12400	3.094	ug/l		98
55) Dibromochloromethane	8.819	129	4043	0.497	ug/l		96
56) 1,2-Dibromoethane	8.935	107	3260	0.501	ug/l		99
58) Tetrachloroethene	8.558	164	4068	0.487	ug/l		98
59) Chlorobenzene	9.455	112	11804	0.518	ug/l		96
60) 1,1,1,2-Tetrachloroethane	9.542	131	4372	0.505	ug/l		98
61) Pentachloroethane	11.436	117	3268	0.466	ug/l		90
62) Hexachloroethane	12.481	117	3699	0.522	ug/l		98
63) Ethyl Benzene	9.578	91	20951	0.559	ug/l		98
64) m/p-Xylenes	9.700	106	15841	1.075	ug/l		97
65) o-Xylene	10.108	106	7769	0.561	ug/l		95
66) Styrene	10.121	104	13466	0.554	ug/l		99
67) Bromoform	10.301	173	2250	0.498	ug/l	#	96
69) Isopropylbenzene	10.491	105	21704	0.586	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.790	83	4423	0.465	ug/l	#	98
71) 1,2,3-Trichloropropane	10.835	75	3533m	0.494	ug/l		
72) Bromobenzene	10.790	156	4744	0.505	ug/l		85
73) n-propylbenzene	10.912	120	5814	0.564	ug/l		100
74) 2-Chlorotoluene	10.992	126	5211	0.565	ug/l		100
75) 1,3,5-Trimethylbenzene	11.095	105	18171	0.552	ug/l		100
76) 4-Chlorotoluene	11.105	126	5382	0.543	ug/l		95
77) tert-Butylbenzene	11.426	119	18319	0.572	ug/l		100
78) 1,2,4-Trimethylbenzene	11.475	105	18481	0.549	ug/l		100
79) sec-Butylbenzene	11.651	105	23666	0.534	ug/l		100
80) Nitrobenzene	13.217	77	1001m	3.307	ug/l		
81) p-Isopropyltoluene	11.799	119	20021	0.554	ug/l		99
82) 1,3-Dichlorobenzene	11.754	146	10433	0.516	ug/l		95
83) 1,4-Dichlorobenzene	11.844	146	10206	0.507	ug/l		97
84) n-Butylbenzene	12.217	91	18113	0.506	ug/l		98
85) 1,2-Dichlorobenzene	12.221	146	9938	0.517	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	13.002	75	760	0.507	ug/l		91
87) 1,2,4-Trichlorobenzene	13.848	180	6998	0.594	ug/l		99
88) Hexachlorobutadiene	14.028	225	3412	0.464	ug/l		95
89) Naphthalene	14.095	128	13249	0.633	ug/l		97
90) 1,2,3-Trichlorobenzene	14.339	180	5854	0.526	ug/l		99

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

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