Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083121\
Data File : VU044536.D
Acq On : 31 Aug 2021 18:12
Operator : SY/MD
Sample : VSTDICC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 01 00:37:12 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 :
VSTDICC002

Manual Integrations APPROVED
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9/1/2021 12:53:07 PM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.121	96	20271	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.639	95	7434	0.900	ug/l		0.00
Spiked Amount 1.000			Recovery = 90.000%				
68) 1,2-Dichlorobenzene-d4	12.201	152	8532	1.035	ug/l		0.00
Spiked Amount 1.000			Recovery = 103.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.388	85	15293	2.083	ug/l		99
3) Chloromethane	1.523	50	17703	2.213	ug/l		100
4) Vinyl Chloride	1.607	62	20482	2.447	ug/l		92
5) Bromomethane	1.861	94	16382	3.306	ug/l		99
6) Chloroethane	1.941	64	14124	2.623	ug/l		99
7) Trichlorofluoromethane	2.144	101	32794	3.242	ug/l		100
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	19913	3.170	ug/l		99
9) 1,1-Dichloroethene	2.588	96	18177	3.010	ug/l		99
10) Iodomethane	2.729	142	19793	2.485	ug/l		99
11) Allyl Chloride	2.932	41	21163	2.343	ug/l		97
12) Acrylonitrile	3.330	53	5543	4.318	ug/l	#	78
13) Acetone	2.642	43	8424	13.402	ug/l		95
14) Carbon Disulfide	2.800	76	52073	2.694	ug/l		100
15) Methylene Chloride	3.054	84	27344	3.292	ug/l		99
16) trans-1,2-Dichloroethene	3.359	96	19875	2.967	ug/l		99
17) 1,1-Dichloroethane	3.877	63	32989	2.725	ug/l		96
18) 2-Butanone	4.735	43	16433	12.079	ug/l		99
19) Cyclohexane	5.385	56	29107m	2.631	ug/l		
20) Methylcyclohexane	6.767	83	16429	1.609	ug/l		98
21) 2,2-Dichloropropane	4.674	77	30025	2.993	ug/l		97
22) cis-1,2-Dichloroethene	4.674	96	22572	3.051	ug/l		97
23) Diethyl Ether	2.385	59	12910	2.664	ug/l		97
24) tert-Butyl Alcohol	3.205	59	6982	24.672	ug/l	#	94
25) Methyl tert-Butyl Ether	3.379	73	44597	2.753	ug/l		99
26) Bromochloromethane	4.983	128	10567	3.268	ug/l		97
27) Chloroform	5.095	83	37757	3.072	ug/l		100
28) 1,1,1-Trichloroethane	5.321	97	32633	3.140	ug/l		99
29) 1,1-Dichloropropene	5.530	75	14711	1.797	ug/l		95
30) Carbon Tetrachloride	5.526	117	14457	1.952	ug/l		99
31) Isopropyl Ether	4.012	45	47034	2.437	ug/l		99
32) Ethyl-t-butyl ether	4.523	59	50390	2.590	ug/l		99
33) Tert-Amyl methyl ether	5.960	73	24910	1.616	ug/l		99
34) Propionitrile	4.809	54	4166	10.694	ug/l	#	92
35) Benzene	5.780	78	41539	1.738	ug/l		98
36) 1,2-Dichloroethane	5.806	62	14219	2.022	ug/l		99
37) Trichloroethene	6.549	130	12297	2.004	ug/l		97
38) 1,2-Dichloropropane	6.803	63	10803	1.716	ug/l		99
39) Methacrylonitrile	4.996	41	5234	2.372	ug/l		95
40) Methyl acrylate	4.867	55	8911	2.589	ug/l	#	97
41) Tetrahydrofuran	5.083	42	4504	4.440	ug/l		93
42) 1-Chlorobutane	5.462	56	19156	1.671	ug/l		99
43) Dibromomethane	6.928	93	6510	2.020	ug/l		97
44) Bromodichloromethane	7.118	83	14273	1.861	ug/l		97

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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	30030	7.152	ug/l		98
46) t-1,4-Dichloro-2-butene	10.841	75	5127m	2.897	ug/l		
47) Methyl methacrylate	6.980	69	10432	3.065	ug/l		95
48) Ethyl methacrylate	8.349	69	10061	1.423	ug/l		96
49) Toluene	7.976	92	26944	1.766	ug/l		97
50) t-1,3-Dichloropropene	8.221	75	12603	1.628	ug/l		99
51) cis-1,3-Dichloropropene	7.616	75	13955	1.534	ug/l		99
52) 1,1,2-Trichloroethane	8.410	97	9136	1.918	ug/l		98
53) 1,3-Dichloropropane	8.584	76	15674	1.823	ug/l		96
54) 2-Hexanone	8.703	43	22778	7.618	ug/l		88
55) Dibromochloromethane	8.819	129	9981	1.920	ug/l		99
56) 1,2-Dibromoethane	8.935	107	8764	1.879	ug/l		96
58) Tetrachloroethene	8.558	164	11466	2.152	ug/l		99
59) Chlorobenzene	9.452	112	30950	1.899	ug/l		97
60) 1,1,1,2-Tetrachloroethane	9.542	131	11315	2.059	ug/l		96
61) Pentachloroethane	11.436	117	8321	1.880	ug/l		99
62) Hexachloroethane	12.481	117	8132	1.773	ug/l		97
63) Ethyl Benzene	9.578	91	49169	1.701	ug/l		100
64) m/p-Xylenes	9.700	106	38828	3.472	ug/l		98
65) o-Xylene	10.105	106	18972	1.760	ug/l		100
66) Styrene	10.121	104	31058	1.668	ug/l		98
67) Bromoform	10.298	173	5718	1.967	ug/l		97
69) Isopropylbenzene	10.491	105	48754	1.697	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.790	83	12493	1.992	ug/l		96
71) 1,2,3-Trichloropropane	10.832	75	8771m	1.731	ug/l		
72) Bromobenzene	10.790	156	13020	1.926	ug/l		97
73) n-propylbenzene	10.912	120	13605	1.742	ug/l		98
74) 2-Chlorotoluene	10.992	126	12593	1.865	ug/l		97
75) 1,3,5-Trimethylbenzene	11.095	105	41676	1.695	ug/l		99
76) 4-Chlorotoluene	11.102	126	13193	1.862	ug/l		96
77) tert-Butylbenzene	11.426	119	41354	1.719	ug/l		98
78) 1,2,4-Trimethylbenzene	11.475	105	43373	1.742	ug/l		99
79) sec-Butylbenzene	11.648	105	57350	1.751	ug/l		100
80) Nitrobenzene	13.217	77	1343	7.382	ug/l	#	80
81) p-Isopropyltoluene	11.799	119	46126	1.695	ug/l		99
82) 1,3-Dichlorobenzene	11.751	146	25573	1.896	ug/l		99
83) 1,4-Dichlorobenzene	11.844	146	26022	1.908	ug/l		97
84) n-Butylbenzene	12.214	91	43235	1.637	ug/l		98
85) 1,2-Dichlorobenzene	12.217	146	25851	1.963	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	13.005	75	1707	1.591	ug/l		90
87) 1,2,4-Trichlorobenzene	13.848	180	15771	1.734	ug/l		98
88) Hexachlorobutadiene	14.028	225	9109	2.034	ug/l		96
89) Naphthalene	14.095	128	27267	1.510	ug/l		99
90) 1,2,3-Trichlorobenzene	14.336	180	14678	1.759	ug/l		96

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

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