Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070821\
Data File : VU044329.D
Acq On : 08 Jul 2021 18:03
Operator : SY/MD
Sample : VU0708WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 09 05:41:14 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070721DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 08 15:34:52 2021
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0708WBSD01

Manual Integrations APPROVED
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7/13/2021 4:04:21 PM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.121	96	24235	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	9600	0.894	ug/l	0.00
Spiked Amount 1.000			Recovery = 89.000%			
68) 1,2-Dichlorobenzene-d4	12.201	152	10490	0.980	ug/l	0.00
Spiked Amount 1.000			Recovery = 98.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	13297	1.584	ug/l	100
3) Chloromethane	1.527	50	14409	1.782	ug/l	99
4) Vinyl Chloride	1.610	62	14448	1.700	ug/l	98
5) Bromomethane	1.864	94	9747	1.926	ug/l	97
6) Chloroethane	1.941	64	9963	1.757	ug/l	97
7) Trichlorofluoromethane	2.147	101	21723	1.687	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	11790	1.590	ug/l	96
9) 1,1-Dichloroethene	2.591	96	11082	1.710	ug/l	96
10) Iodomethane	2.732	142	12385	1.814	ug/l	97
11) Allyl Chloride	2.932	41	19408	1.685	ug/l	100
12) Acrylonitrile	3.334	53	5258	3.623	ug/l	91
13) Acetone	2.639	43	7784	8.086	ug/l	99
14) Carbon Disulfide	2.800	76	30032	1.713	ug/l	100
15) Methylene Chloride	3.054	84	18444	1.578	ug/l	99
16) trans-1,2-Dichloroethene	3.363	96	12596	1.756	ug/l	96
17) 1,1-Dichloroethane	3.880	63	24821	1.714	ug/l	99
18) 2-Butanone	4.736	43	14786	7.826	ug/l	99
19) Cyclohexane	5.388	56	21268m	1.835	ug/l	
20) Methylcyclohexane	6.768	83	18302	1.537	ug/l	99
21) 2,2-Dichloropropane	4.674	77	24411	1.732	ug/l	99
22) cis-1,2-Dichloroethene	4.678	96	14589	1.726	ug/l	96
23) Diethyl Ether	2.388	59	9256	1.712	ug/l	96
24) tert-Butyl Alcohol	3.205	59	8160	19.630	ug/l #	72
25) Methyl tert-Butyl Ether	3.379	73	33347	1.675	ug/l	98
26) Bromochloromethane	4.986	128	6444	1.742	ug/l	97
27) Chloroform	5.102	83	26972	1.762	ug/l	95
28) 1,1,1-Trichloroethane	5.321	97	22904	1.694	ug/l	99
29) 1,1-Dichloropropene	5.530	75	15937	1.615	ug/l	98
30) Carbon Tetrachloride	5.530	117	16688	1.603	ug/l	99
31) Isopropyl Ether	4.015	45	43447	1.753	ug/l	99
32) Ethyl-t-butyl ether	4.523	59	40596	1.698	ug/l	97
33) Tert-Amyl methyl ether	5.961	73	30952	1.604	ug/l	99
34) Propionitrile	4.803	54	3494	7.296	ug/l #	94
35) Benzene	5.780	78	46395	1.700	ug/l	99
36) 1,2-Dichloroethane	5.809	62	15305	1.717	ug/l	99
37) Trichloroethene	6.552	130	12503	1.643	ug/l	93
38) 1,2-Dichloropropane	6.800	63	12933	1.703	ug/l	98
39) Methacrylonitrile	4.993	41	4982	1.673	ug/l #	94
40) Methyl acrylate	4.867	55	7121	1.718	ug/l	98
41) Tetrahydrofuran	5.080	42	4500	3.627	ug/l	95
42) 1-Chlorobutane	5.465	56	22475	1.647	ug/l	100
43) Dibromomethane	6.928	93	6774	1.692	ug/l	95
44) Bromodichloromethane	7.118	83	17007	1.674	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	47251	8.247	ug/l		98
46) t-1,4-Dichloro-2-butene	10.838	75	8214m	3.661	ug/l		
47) Methyl methacrylate	6.980	69	13654	3.330	ug/l		94
48) Ethyl methacrylate	8.346	69	14912	1.700	ug/l		100
49) Toluene	7.977	92	30184	1.683	ug/l		99
50) t-1,3-Dichloropropene	8.221	75	16459	1.592	ug/l		96
51) cis-1,3-Dichloropropene	7.616	75	18990	1.617	ug/l		95
52) 1,1,2-Trichloroethane	8.411	97	9692	1.744	ug/l		97
53) 1,3-Dichloropropane	8.584	76	17520	1.716	ug/l		99
54) 2-Hexanone	8.703	43	33046	7.927	ug/l		98
55) Dibromochloromethane	8.819	129	11308	1.581	ug/l		99
56) 1,2-Dibromoethane	8.935	107	9188	1.654	ug/l		97
58) Tetrachloroethene	8.559	164	11239	1.599	ug/l		99
59) Chlorobenzene	9.456	112	34194	1.686	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.542	131	12446	1.639	ug/l		99
61) Pentachloroethane	11.433	117	8895	1.549	ug/l		98
62) Hexachloroethane	12.481	117	9406	1.444	ug/l		100
63) Ethyl Benzene	9.578	91	57048	1.589	ug/l		98
64) m/p-Xylenes	9.700	106	44829	3.216	ug/l		100
65) o-Xylene	10.108	106	22259	1.634	ug/l		98
66) Styrene	10.121	104	37501	1.603	ug/l		98
67) Bromoform	10.298	173	6293	1.523	ug/l	#	96
69) Isopropylbenzene	10.491	105	60046	1.611	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.790	83	11757	1.576	ug/l		96
71) 1,2,3-Trichloropropane	10.835	75	11678m	1.984	ug/l		
72) Bromobenzene	10.790	156	14695	1.691	ug/l		97
73) n-propylbenzene	10.912	120	16240	1.590	ug/l		97
74) 2-Chlorotoluene	10.992	126	14303	1.624	ug/l		96
75) 1,3,5-Trimethylbenzene	11.095	105	49583	1.554	ug/l		99
76) 4-Chlorotoluene	11.105	126	14755	1.593	ug/l		92
77) tert-Butylbenzene	11.427	119	51018	1.591	ug/l		99
78) 1,2,4-Trimethylbenzene	11.475	105	49816	1.544	ug/l		97
79) sec-Butylbenzene	11.648	105	64853	1.527	ug/l		98
80) Nitrobenzene	13.217	77	1693	5.535	ug/l	#	83
81) p-Isopropyltoluene	11.800	119	54593	1.518	ug/l		99
82) 1,3-Dichlorobenzene	11.751	146	28412	1.604	ug/l		99
83) 1,4-Dichlorobenzene	11.845	146	28119	1.597	ug/l		100
84) n-Butylbenzene	12.214	91	47780	1.388	ug/l		99
85) 1,2-Dichlorobenzene	12.218	146	27338	1.628	ug/l		100
86) 1,2-Dibromo-3-Chloropr...	13.002	75	2237	1.574	ug/l		95
87) 1,2,4-Trichlorobenzene	13.848	180	18093	1.502	ug/l		99
88) Hexachlorobutadiene	14.028	225	9569	1.548	ug/l		96
89) Naphthalene	14.092	128	34522	1.496	ug/l		99
90) 1,2,3-Trichlorobenzene	14.336	180	16873	1.586	ug/l		99

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

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