Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040622\
Data File : VU047836.D
Acq On : 06 Apr 2022 18:26
Operator : SY/MD
Sample : MDL01 0.4ppb
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL01 0.4ppb

Quant Time: Apr 11 03:41:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U040622DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Apr 11 03:41:24 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.118	96	46193	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	14194	0.850	ug/l	0.00
Spiked Amount 1.000			Recovery =	85.000%		
68) 1,2-Dichlorobenzene-d4	12.195	152	19434	0.964	ug/l	0.00
Spiked Amount 1.000			Recovery =	96.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	5489	0.334	ug/l	98
3) Chloromethane	1.527	50	6220	0.338	ug/l	96
4) Vinyl Chloride	1.607	62	5383	0.330	ug/l	99
5) Bromomethane	1.861	94	3387	0.329	ug/l	97
6) Chloroethane	1.938	64	3305	0.326	ug/l	99
7) Trichlorofluoromethane	2.144	101	7268	0.334	ug/l	90
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	4190	0.333	ug/l	98
9) 1,1-Dichloroethene	2.584	96	3986	0.319	ug/l	97
10) Iodomethane	2.729	142	2515	0.293	ug/l	95
11) Allyl Chloride	2.928	41	5873	0.343	ug/l	99
12) Acrylonitrile	3.327	53	2441	0.777	ug/l	96
13) Acetone	2.646	43	5138	2.059	ug/l	90
14) Carbon Disulfide	2.797	76	13095	0.331	ug/l	97
15) Methylene Chloride	3.051	84	6648	0.335	ug/l	95
16) trans-1,2-Dichloroethene	3.356	96	4419	0.323	ug/l	93
17) 1,1-Dichloroethane	3.877	63	7242	0.323	ug/l	98
18) 2-Butanone	4.732	43	6007	1.806	ug/l	99
19) Cyclohexane	5.388	56	4779m	0.281	ug/l	
20) Methylcyclohexane	6.764	83	4617	0.244	ug/l	92
21) 2,2-Dichloropropane	4.668	77	5532	0.300	ug/l	95
22) cis-1,2-Dichloroethene	4.674	96	4419	0.314	ug/l	98
23) Diethyl Ether	2.382	59	3278	0.352	ug/l	94
24) tert-Butyl Alcohol	3.240	59	4836m	4.788	ug/l	
25) Methyl tert-Butyl Ether	3.372	73	10670	0.343	ug/l #	90
26) Bromochloromethane	4.983	128	2037	0.291	ug/l	86
27) Chloroform	5.096	83	8078	0.339	ug/l	99
28) 1,1,1-Trichloroethane	5.321	97	6501	0.322	ug/l	99
29) 1,1-Dichloropropene	5.533	75	4945	0.290	ug/l	94
30) Carbon Tetrachloride	5.526	117	5372	0.306	ug/l	98
31) Isopropyl Ether	4.006	45	8974	0.289	ug/l	83
32) Ethyl-t-butyl ether	4.514	59	8943	0.297	ug/l #	72
33) Tert-Amyl methyl ether	5.948	73	8041	0.295	ug/l #	94
34) Propionitrile	4.809	54	1666m	1.555	ug/l	
35) Benzene	5.777	78	15861	0.311	ug/l	99
36) 1,2-Dichloroethane	5.800	62	4785	0.319	ug/l	100
37) Trichloroethene	6.549	130	4536	0.307	ug/l	97
38) 1,2-Dichloropropane	6.796	63	4030	0.311	ug/l	95
39) Methacrylonitrile	4.993	41	1053	0.276	ug/l #	80
40) Methyl acrylate	4.867	55	1907m	0.306	ug/l	
41) Tetrahydrofuran	5.076	42	1668	0.776	ug/l #	69
42) 1-Chlorobutane	5.462	56	6294	0.286	ug/l	90
43) Dibromomethane	6.922	93	2504	0.336	ug/l	93
44) Bromodichloromethane	7.108	83	5858	0.340	ug/l	99

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MDL01 0.4ppb

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U040622DW.M
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	7.800	43	11551	1.512	ug/l		96
46) t-1,4-Dichloro-2-butene	10.828	75	2915m	0.808	ug/l		
47) Methyl methacrylate	6.970	69	3097	0.519	ug/l		98
48) Ethyl methacrylate	8.340	69	2990	0.272	ug/l		98
49) Toluene	7.973	92	8572	0.276	ug/l		99
50) t-1,3-Dichloropropene	8.218	75	4309	0.283	ug/l	#	80
51) cis-1,3-Dichloropropene	7.613	75	5253	0.300	ug/l		96
52) 1,1,2-Trichloroethane	8.404	97	3559	0.338	ug/l		95
53) 1,3-Dichloropropane	8.578	76	5234	0.303	ug/l		99
54) 2-Hexanone	8.697	43	8216	1.496	ug/l		96
55) Dibromochloromethane	8.812	129	4186	0.334	ug/l		93
56) 1,2-Dibromoethane	8.925	107	3300	0.328	ug/l		87
58) Tetrachloroethene	8.558	164	4272	0.322	ug/l		98
59) Chlorobenzene	9.452	112	10727	0.294	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.536	131	4035	0.311	ug/l		97
61) Pentachloroethane	11.430	117	3366	0.312	ug/l		93
62) Hexachloroethane	12.478	117	2835	0.288	ug/l		94
63) Ethyl Benzene	9.574	91	14496	0.257	ug/l		96
64) m/p-Xylenes	9.697	106	10586	0.472	ug/l		94
65) o-Xylene	10.105	106	5234	0.244	ug/l		94
66) Styrene	10.118	104	7778	0.214	ug/l		96
67) Bromoform	10.295	173	2650	0.332	ug/l	#	95
69) Isopropylbenzene	10.488	105	13050	0.233	ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.783	83	4490	0.330	ug/l		95
71) 1,2,3-Trichloropropane	10.825	75	3258m	0.315	ug/l		
72) Bromobenzene	10.783	156	4745	0.282	ug/l		95
73) n-propylbenzene	10.906	120	3580	0.224	ug/l		94
74) 2-Chlorotoluene	10.989	126	3909	0.258	ug/l		87
75) 1,3,5-Trimethylbenzene	11.089	105	9768	0.205	ug/l		98
76) 4-Chlorotoluene	11.099	126	3688	0.231	ug/l		96
77) tert-Butylbenzene	11.423	119	11275	0.234	ug/l		99
78) 1,2,4-Trimethylbenzene	11.468	105	10136	0.208	ug/l		99
79) sec-Butylbenzene	11.645	105	13420	0.212	ug/l		97
80) Nitrobenzene	13.227	77	611	1.187	ug/l	#	72
81) p-Isopropyltoluene	11.796	119	10804	0.204	ug/l		98
82) 1,3-Dichlorobenzene	11.748	146	9869	0.292	ug/l		98
83) 1,4-Dichlorobenzene	11.841	146	9443	0.279	ug/l		95
84) n-Butylbenzene	12.211	91	11069	0.220	ug/l		96
85) 1,2-Dichlorobenzene	12.214	146	9131	0.285	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	12.999	75	575	0.266	ug/l		97
87) 1,2,4-Trichlorobenzene	13.844	180	6338	0.272	ug/l		97
88) Hexachlorobutadiene	14.021	225	3923	0.284	ug/l		96
89) Naphthalene	14.089	128	9929	0.271	ug/l		98
90) 1,2,3-Trichlorobenzene	14.333	180	6132	0.284	ug/l		98

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

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