Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101321\
Data File : VU045312.D
Acq On : 13 Oct 2021 17:06
Operator : SY/MD
Sample : M4068-07 0.4PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021

Manual Integrations APPROVED
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10/14/2021 2:36:54 PM

Quant Time: Oct 14 06:54:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101321DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Oct 14 05:46:27 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.118	96	40623	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.636	95	13540	0.908	ug/l		0.00
Spiked Amount 1.000			Recovery =	91.000%			
68) 1,2-Dichlorobenzene-d4	12.198	152	13086	0.937	ug/l		0.00
Spiked Amount 1.000			Recovery =	94.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.388	85	5583	0.360	ug/l		94
3) Chloromethane	1.520	50	6685	0.413	ug/l		100
4) Vinyl Chloride	1.604	62	6177	0.368	ug/l		89
5) Bromomethane	1.858	94	3765	0.409	ug/l		93
6) Chloroethane	1.935	64	3889	0.358	ug/l		94
7) Trichlorofluoromethane	2.141	101	6735	0.345	ug/l		94
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	3909	0.346	ug/l		95
9) 1,1-Dichloroethene	2.581	96	3772	0.357	ug/l		95
10) Iodomethane	2.726	142	3400	0.308	ug/l		95
11) Allyl Chloride	2.929	41	5626	0.363	ug/l		96
12) Acrylonitrile	3.330	53	1868	0.694	ug/l	#	86
13) Acetone	2.642	43	5894m	1.834	ug/l		
14) Carbon Disulfide	2.797	76	11621	0.361	ug/l		98
15) Methylene Chloride	3.051	84	8092	0.633	ug/l		96
16) trans-1,2-Dichloroethene	3.356	96	4125	0.363	ug/l		95
17) 1,1-Dichloroethane	3.877	63	7806	0.366	ug/l		99
18) 2-Butanone	4.726	43	7143m	1.748	ug/l		
19) Cyclohexane	5.388	56	6539m	0.332	ug/l		
20) Methylcyclohexane	6.768	83	6387	0.326	ug/l		100
21) 2,2-Dichloropropane	4.671	77	6197	0.342	ug/l		94
22) cis-1,2-Dichloroethene	4.674	96	4480	0.359	ug/l		98
23) Diethyl Ether	2.382	59	3512	0.351	ug/l		94
24) tert-Butyl Alcohol	3.205	59	2633m	3.359	ug/l		
25) Methyl tert-Butyl Ether	3.372	73	10323	0.350	ug/l		95
26) Bromochloromethane	4.986	128	1846	0.346	ug/l		97
27) Chloroform	5.092	83	8613	0.395	ug/l		94
28) 1,1,1-Trichloroethane	5.324	97	6191	0.347	ug/l		98
29) 1,1-Dichloropropene	5.530	75	5761	0.353	ug/l		98
30) Carbon Tetrachloride	5.527	117	4637	0.335	ug/l		98
31) Isopropyl Ether	4.002	45	11630	0.345	ug/l		97
32) Ethyl-t-butyl ether	4.514	59	11590	0.341	ug/l		98
33) Tert-Amyl methyl ether	5.951	73	10292	0.342	ug/l		97
34) Propionitrile	4.803	54	1688m	1.660	ug/l		
35) Benzene	5.781	78	16813	0.356	ug/l		99
36) 1,2-Dichloroethane	5.803	62	5444	0.361	ug/l		96
37) Trichloroethene	6.549	130	4090	0.356	ug/l		92
38) 1,2-Dichloropropane	6.797	63	4129	0.337	ug/l		97
39) Methacrylonitrile	4.990	41	1362	0.338	ug/l	#	91
40) Methyl acrylate	4.858	55	2288	0.341	ug/l	#	76
41) Tetrahydrofuran	5.080	42	1349	0.586	ug/l	#	76
42) 1-Chlorobutane	5.462	56	8035	0.343	ug/l		100
43) Dibromomethane	6.928	93	2247	0.370	ug/l		98
44) Bromodichloromethane	7.108	83	5450	0.360	ug/l		97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	13997	1.687	ug/l		97
46) t-1,4-Dichloro-2-butene	10.841	75	2041m	0.699	ug/l		
47) Methyl methacrylate	6.967	69	3825	0.621	ug/l		94
48) Ethyl methacrylate	8.340	69	3895	0.320	ug/l		100
49) Toluene	7.973	92	9706	0.334	ug/l		98
50) t-1,3-Dichloropropene	8.215	75	4822	0.325	ug/l		92
51) cis-1,3-Dichloropropene	7.613	75	5606	0.323	ug/l		96
52) 1,1,2-Trichloroethane	8.404	97	3289	0.375	ug/l		94
53) 1,3-Dichloropropane	8.584	76	5580	0.342	ug/l		100
54) 2-Hexanone	8.694	43	10408	1.624	ug/l		96
55) Dibromochloromethane	8.813	129	3142	0.341	ug/l		97
56) 1,2-Dibromoethane	8.928	107	2911	0.353	ug/l		95
58) Tetrachloroethene	8.555	164	3607	0.349	ug/l		98
59) Chlorobenzene	9.452	112	10487	0.349	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.536	131	3466	0.346	ug/l		96
61) Pentachloroethane	11.430	117	2597	0.357	ug/l		96
62) Hexachloroethane	12.478	117	2424	0.317	ug/l		98
63) Ethyl Benzene	9.575	91	17659	0.327	ug/l		100
64) m/p-Xylenes	9.697	106	12950	0.631	ug/l		94
65) o-Xylene	10.105	106	6116	0.305	ug/l		95
66) Styrene	10.121	104	9774	0.298	ug/l		97
67) Bromoform	10.295	173	1446	0.300	ug/l	#	97
69) Isopropylbenzene	10.488	105	15735	0.299	ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.787	83	3990	0.354	ug/l	#	95
71) 1,2,3-Trichloropropane	10.829	75	2810m	0.303	ug/l		
72) Bromobenzene	10.787	156	3957	0.340	ug/l		96
73) n-propylbenzene	10.912	120	3981	0.289	ug/l		90
74) 2-Chlorotoluene	10.989	126	3828	0.322	ug/l		98
75) 1,3,5-Trimethylbenzene	11.092	105	12849	0.293	ug/l		99
76) 4-Chlorotoluene	11.102	126	3690	0.304	ug/l		100
77) tert-Butylbenzene	11.423	119	13310	0.312	ug/l		98
78) 1,2,4-Trimethylbenzene	11.472	105	13229	0.295	ug/l		96
79) sec-Butylbenzene	11.648	105	17810	0.303	ug/l		96
80) Nitrobenzene	13.224	77	437	1.363	ug/l	#	42
81) p-Isopropyltoluene	11.796	119	12962	0.275	ug/l		98
82) 1,3-Dichlorobenzene	11.751	146	7984	0.344	ug/l		96
83) 1,4-Dichlorobenzene	11.841	146	7462	0.325	ug/l		99
84) n-Butylbenzene	12.214	91	12293	0.274	ug/l		98
85) 1,2-Dichlorobenzene	12.218	146	7195	0.326	ug/l		91
86) 1,2-Dibromo-3-Chloropr...	13.002	75	554	0.296	ug/l		92
87) 1,2,4-Trichlorobenzene	13.848	180	4165	0.306	ug/l		99
88) Hexachlorobutadiene	14.028	225	2257	0.355	ug/l		95
89) Naphthalene	14.092	128	7598	0.284	ug/l	#	95
90) 1,2,3-Trichlorobenzene	14.336	180	3748	0.297	ug/l		99

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

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