Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101321\
Data File : VU045310.D
Acq On : 13 Oct 2021 16:03
Operator : SY/MD
Sample : M4068-08 1.0PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2021

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10/14/2021 2:36:57 PM

Quant Time: Oct 14 05:53:04 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	40323	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.639	95	14454	0.976	ug/l		0.00
Spiked Amount 1.000			Recovery =	98.000%			
68) 1,2-Dichlorobenzene-d4	12.198	152	13223	0.954	ug/l		0.00
Spiked Amount 1.000			Recovery =	95.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.388	85	14251	0.925	ug/l		98
3) Chloromethane	1.520	50	16213	1.010	ug/l		99
4) Vinyl Chloride	1.604	62	15880	0.954	ug/l		96
5) Bromomethane	1.858	94	9402	1.029	ug/l		100
6) Chloroethane	1.935	64	10546	0.977	ug/l		96
7) Trichlorofluoromethane	2.141	101	18238	0.940	ug/l		100
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	10656	0.950	ug/l		99
9) 1,1-Dichloroethene	2.581	96	9874	0.942	ug/l		98
10) Iodomethane	2.726	142	8925	0.813	ug/l		99
11) Allyl Chloride	2.925	41	14079	0.915	ug/l		100
12) Acrylonitrile	3.330	53	5016m	1.876	ug/l		
13) Acetone	2.642	43	16149m	5.063	ug/l		
14) Carbon Disulfide	2.797	76	30254	0.946	ug/l		99
15) Methylene Chloride	3.051	84	16581	1.306	ug/l		99
16) trans-1,2-Dichloroethene	3.359	96	10697	0.949	ug/l		99
17) 1,1-Dichloroethane	3.877	63	20384	0.964	ug/l		98
18) 2-Butanone	4.723	43	17216	4.245	ug/l		99
19) Cyclohexane	5.394	56	18046m	0.923	ug/l		
20) Methylcyclohexane	6.767	83	17634	0.906	ug/l		99
21) 2,2-Dichloropropane	4.671	77	16591	0.923	ug/l		99
22) cis-1,2-Dichloroethene	4.674	96	11676	0.942	ug/l		97
23) Diethyl Ether	2.382	59	9378	0.945	ug/l		94
24) tert-Butyl Alcohol	3.215	59	6520m	8.381	ug/l		
25) Methyl tert-Butyl Ether	3.375	73	27509	0.939	ug/l		96
26) Bromochloromethane	4.983	128	5058	0.955	ug/l		96
27) Chloroform	5.095	83	21032	0.972	ug/l		99
28) 1,1,1-Trichloroethane	5.321	97	16721	0.943	ug/l		98
29) 1,1-Dichloropropene	5.533	75	15195	0.938	ug/l		98
30) Carbon Tetrachloride	5.530	117	12875	0.937	ug/l		96
31) Isopropyl Ether	4.005	45	31493	0.941	ug/l		98
32) Ethyl-t-butyl ether	4.510	59	31506	0.935	ug/l		98
33) Tert-Amyl methyl ether	5.948	73	27862	0.933	ug/l		99
34) Propionitrile	4.803	54	4874m	4.829	ug/l		
35) Benzene	5.780	78	44718	0.955	ug/l		100
36) 1,2-Dichloroethane	5.800	62	14087	0.942	ug/l		99
37) Trichloroethene	6.549	130	10901	0.957	ug/l		99
38) 1,2-Dichloropropane	6.796	63	11551	0.950	ug/l		97
39) Methacrylonitrile	4.986	41	3828	0.958	ug/l		89
40) Methyl acrylate	4.858	55	5084	0.764	ug/l	#	90
41) Tetrahydrofuran	5.076	42	4000	1.750	ug/l	#	73
42) 1-Chlorobutane	5.465	56	21469	0.922	ug/l		95
43) Dibromomethane	6.925	93	5930	0.983	ug/l		95
44) Bromodichloromethane	7.111	83	13836	0.920	ug/l		96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	38313	4.652	ug/l		100
46) t-1,4-Dichloro-2-butene	10.835	75	5834m	2.012	ug/l		
47) Methyl methacrylate	6.967	69	11406	1.865	ug/l		98
48) Ethyl methacrylate	8.340	69	10837	0.897	ug/l		98
49) Toluene	7.973	92	26492	0.919	ug/l		99
50) t-1,3-Dichloropropene	8.218	75	13391	0.909	ug/l		98
51) cis-1,3-Dichloropropene	7.613	75	15634	0.909	ug/l		98
52) 1,1,2-Trichloroethane	8.407	97	8187	0.941	ug/l		96
53) 1,3-Dichloropropane	8.581	76	15423	0.952	ug/l		99
54) 2-Hexanone	8.693	43	28933	4.547	ug/l		99
55) Dibromochloromethane	8.816	129	8160	0.893	ug/l		98
56) 1,2-Dibromoethane	8.928	107	7866	0.961	ug/l		100
58) Tetrachloroethene	8.558	164	9408	0.916	ug/l		93
59) Chlorobenzene	9.452	112	27980	0.937	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.539	131	9215	0.928	ug/l		99
61) Pentachloroethane	11.433	117	6889	0.953	ug/l		95
62) Hexachloroethane	12.481	117	6825	0.899	ug/l		95
63) Ethyl Benzene	9.574	91	47639	0.887	ug/l		99
64) m/p-Xylenes	9.697	106	35832	1.759	ug/l		97
65) o-Xylene	10.105	106	17864	0.898	ug/l		98
66) Styrene	10.118	104	28524	0.877	ug/l		99
67) Bromoform	10.295	173	4273	0.893	ug/l	#	99
69) Isopropylbenzene	10.488	105	46355	0.887	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.787	83	10591	0.948	ug/l		99
71) 1,2,3-Trichloropropane	10.828	75	10788m	1.171	ug/l		
72) Bromobenzene	10.787	156	10904	0.945	ug/l		97
73) n-propylbenzene	10.909	120	12365	0.905	ug/l		100
74) 2-Chlorotoluene	10.992	126	10668	0.904	ug/l		96
75) 1,3,5-Trimethylbenzene	11.092	105	39081	0.897	ug/l		99
76) 4-Chlorotoluene	11.102	126	10543	0.874	ug/l		91
77) tert-Butylbenzene	11.423	119	37778	0.893	ug/l		99
78) 1,2,4-Trimethylbenzene	11.471	105	39089	0.878	ug/l		99
79) sec-Butylbenzene	11.648	105	51127	0.877	ug/l		99
80) Nitrobenzene	13.217	77	1422	4.469	ug/l	#	73
81) p-Isopropyltoluene	11.796	119	40422	0.864	ug/l		98
82) 1,3-Dichlorobenzene	11.751	146	21757	0.944	ug/l		99
83) 1,4-Dichlorobenzene	11.841	146	21248	0.932	ug/l		98
84) n-Butylbenzene	12.214	91	37907	0.850	ug/l		97
85) 1,2-Dichlorobenzene	12.217	146	20358	0.930	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	13.002	75	1796	0.967	ug/l		94
87) 1,2,4-Trichlorobenzene	13.844	180	11326	0.839	ug/l		96
88) Hexachlorobutadiene	14.024	225	5963	0.945	ug/l		97
89) Naphthalene	14.092	128	21647	0.816	ug/l		99
90) 1,2,3-Trichlorobenzene	14.333	180	10661	0.851	ug/l		98

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

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