Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101321\
Data File : VU045311.D
Acq On : 13 Oct 2021 16:41
Operator : SY/MD
Sample : M4068-07 0.25PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

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

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10/14/2021 2:36:55 PM

Quant Time: Oct 14 06:49:44 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	6.121	96	40877	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.639	95	13463	0.897	ug/l		0.00
Spiked Amount 1.000			Recovery =	90.000%			
68) 1,2-Dichlorobenzene-d4	12.198	152	12912	0.919	ug/l		0.00
Spiked Amount 1.000			Recovery =	92.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.388	85	3022	0.193	ug/l		97
3) Chloromethane	1.520	50	3855	0.237	ug/l		96
4) Vinyl Chloride	1.604	62	3687	0.218	ug/l		91
5) Bromomethane	1.858	94	2407	0.260	ug/l		82
6) Chloroethane	1.935	64	2333	0.213	ug/l		97
7) Trichlorofluoromethane	2.141	101	4198	0.213	ug/l		94
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	2246	0.198	ug/l		96
9) 1,1-Dichloroethene	2.581	96	2241	0.211	ug/l		97
10) Iodomethane	2.726	142	1842	0.166	ug/l		99
11) Allyl Chloride	2.925	41	3002	0.192	ug/l		94
12) Acrylonitrile	3.334	53	838m	0.309	ug/l		
13) Acetone	2.642	43	4285m	1.325	ug/l		
14) Carbon Disulfide	2.797	76	7166	0.221	ug/l	#	93
15) Methylene Chloride	3.051	84	8575	0.666	ug/l		93
16) trans-1,2-Dichloroethene	3.356	96	2152	0.188	ug/l		93
17) 1,1-Dichloroethane	3.874	63	4835	0.226	ug/l	#	93
18) 2-Butanone	4.729	43	4674m	1.137	ug/l		
19) Cyclohexane	5.391	56	3872m	0.195	ug/l		
20) Methylcyclohexane	6.771	83	3553	0.180	ug/l		97
21) 2,2-Dichloropropane	4.671	77	3722	0.204	ug/l		95
22) cis-1,2-Dichloroethene	4.678	96	2436	0.194	ug/l		90
23) Diethyl Ether	2.382	59	2014	0.200	ug/l	#	88
24) tert-Butyl Alcohol	3.199	59	1537m	1.949	ug/l		
25) Methyl tert-Butyl Ether	3.379	73	5898	0.199	ug/l		99
26) Bromochloromethane	4.983	128	1015	0.189	ug/l		95
27) Chloroform	5.096	83	5504	0.251	ug/l		100
28) 1,1,1-Trichloroethane	5.317	97	3781	0.210	ug/l		94
29) 1,1-Dichloropropene	5.533	75	3005	0.183	ug/l		96
30) Carbon Tetrachloride	5.533	117	2706	0.194	ug/l		89
31) Isopropyl Ether	4.002	45	6937	0.205	ug/l	#	60
32) Ethyl-t-butyl ether	4.510	59	6984	0.204	ug/l		98
33) Tert-Amyl methyl ether	5.948	73	5730	0.189	ug/l	#	79
34) Propionitrile	4.813	54	482m	0.471	ug/l		
35) Benzene	5.780	78	10094	0.213	ug/l		99
36) 1,2-Dichloroethane	5.800	62	3359	0.222	ug/l	#	82
37) Trichloroethene	6.546	130	2569	0.222	ug/l		85
38) 1,2-Dichloropropane	6.797	63	2485	0.202	ug/l		94
39) Methacrylonitrile	4.980	41	634m	0.156	ug/l		
40) Methyl acrylate	4.874	55	1150m	0.170	ug/l		
41) Tetrahydrofuran	5.073	42	643	0.278	ug/l	#	68
42) 1-Chlorobutane	5.465	56	4588	0.194	ug/l		92
43) Dibromomethane	6.925	93	1263	0.207	ug/l		94
44) Bromodichloromethane	7.108	83	3148	0.206	ug/l		96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.803	43	8477	1.015	ug/l		94
46) t-1,4-Dichloro-2-butene	10.841	75	869m	0.296	ug/l		
47) Methyl methacrylate	6.970	69	2296	0.370	ug/l		97
48) Ethyl methacrylate	8.343	69	2046	0.167	ug/l		100
49) Toluene	7.973	92	5528	0.189	ug/l		90
50) t-1,3-Dichloropropene	8.214	75	2942	0.197	ug/l	#	83
51) cis-1,3-Dichloropropene	7.616	75	3274	0.188	ug/l		99
52) 1,1,2-Trichloroethane	8.411	97	1778	0.202	ug/l		95
53) 1,3-Dichloropropane	8.581	76	3271	0.199	ug/l		92
54) 2-Hexanone	8.697	43	6734	1.044	ug/l		95
55) Dibromochloromethane	8.816	129	1771	0.191	ug/l		97
56) 1,2-Dibromoethane	8.931	107	1612	0.194	ug/l		97
58) Tetrachloroethene	8.558	164	2111	0.203	ug/l		91
59) Chlorobenzene	9.456	112	6178	0.204	ug/l		96
60) 1,1,1,2-Tetrachloroethane	9.539	131	1951	0.194	ug/l		97
61) Pentachloroethane	11.433	117	1493	0.204	ug/l		95
62) Hexachloroethane	12.481	117	1534	0.199	ug/l		97
63) Ethyl Benzene	9.578	91	9944	0.183	ug/l		96
64) m/p-Xylenes	9.700	106	7604	0.368	ug/l		98
65) o-Xylene	10.105	106	3530	0.175	ug/l		99
66) Styrene	10.121	104	5626	0.171	ug/l		99
67) Bromoform	10.301	173	777	0.160	ug/l	#	93
69) Isopropylbenzene	10.488	105	9690	0.183	ug/l		96
70) 1,1,2,2-Tetrachloroethane	10.787	83	2532	0.223	ug/l	#	90
71) 1,2,3-Trichloropropane	10.829	75	1867m	0.200	ug/l		
72) Bromobenzene	10.787	156	2427	0.207	ug/l		96
73) n-propylbenzene	10.912	120	2360	0.170	ug/l		100
74) 2-Chlorotoluene	10.992	126	2204	0.184	ug/l		94
75) 1,3,5-Trimethylbenzene	11.092	105	7439	0.168	ug/l		99
76) 4-Chlorotoluene	11.105	126	2368	0.194	ug/l		86
77) tert-Butylbenzene	11.427	119	7856	0.183	ug/l		99
78) 1,2,4-Trimethylbenzene	11.475	105	7473	0.166	ug/l		100
79) sec-Butylbenzene	11.648	105	9804	0.166	ug/l		96
80) Nitrobenzene	13.221	77	293	0.908	ug/l	#	42
81) p-Isopropyltoluene	11.800	119	7444	0.157	ug/l		98
82) 1,3-Dichlorobenzene	11.751	146	4517	0.193	ug/l		99
83) 1,4-Dichlorobenzene	11.841	146	4587	0.198	ug/l		98
84) n-Butylbenzene	12.214	91	6818	0.151	ug/l		100
85) 1,2-Dichlorobenzene	12.217	146	4621	0.208	ug/l		97
86) 1,2-Dibromo-3-Chloropr...	13.002	75	312	0.166	ug/l	#	83
87) 1,2,4-Trichlorobenzene	13.844	180	2858	0.209	ug/l		96
88) Hexachlorobutadiene	14.028	225	1229	0.192	ug/l		96
89) Naphthalene	14.092	128	5792	0.215	ug/l	#	94
90) 1,2,3-Trichlorobenzene	14.333	180	2597	0.204	ug/l		96

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

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