Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101521\
Data File : VU045320.D
Acq On : 15 Oct 2021 14:28
Operator : SY/MD
Sample : M4068-09 0.2PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2021

Manual Integrations APPROVED
MMDadoda
10/22/2021 5:37:51 PM

Quant Time: Oct 16 01:10:20 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	38329	1.00	ug/l	#	0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.639	95	12533	0.89	ug/l		0.00
Spiked Amount 1.000			Recovery = 89.00%				
68) 1,2-Dichlorobenzene-d4	12.201	152	12028	0.91	ug/l		0.00
Spiked Amount 1.000			Recovery = 91.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.388	85	2823	0.19	ug/l		98
3) Chloromethane	1.520	50	4452	0.29	ug/l		98
4) Vinyl Chloride	1.604	62	3514	0.22	ug/l	#	84
5) Bromomethane	1.858	94	2715	0.31	ug/l		99
6) Chloroethane	1.932	64	2419	0.24	ug/l		91
7) Trichlorofluoromethane	2.137	101	3615	0.20	ug/l		98
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	2164	0.20	ug/l		96
9) 1,1-Dichloroethene	2.581	96	1962	0.20	ug/l		94
10) Iodomethane	2.726	142	1912	0.18	ug/l		98
11) Allyl Chloride	2.928	41	2995	0.20	ug/l		98
12) Acrylonitrile	3.346	53	706m	0.28	ug/l		
13) Acetone	2.652	43	3188	1.05	ug/l		99
14) Carbon Disulfide	2.793	76	6450	0.21	ug/l		99
15) Methylene Chloride	3.051	84	10740	0.89	ug/l		95
16) trans-1,2-Dichloroethene	3.356	96	2179	0.20	ug/l		93
17) 1,1-Dichloroethane	3.874	63	4256	0.21	ug/l	#	92
18) 2-Butanone	4.735	43	3256	0.84	ug/l		77
19) Cyclohexane	5.388	56	3411m	0.18	ug/l		
20) Methylcyclohexane	6.767	83	3121	0.17	ug/l		96
21) 2,2-Dichloropropane	4.671	77	3407	0.20	ug/l		93
22) cis-1,2-Dichloroethene	4.674	96	2347	0.20	ug/l		88
23) Diethyl Ether	2.382	59	1837	0.19	ug/l		96
24) tert-Butyl Alcohol	3.234	59	691m	0.93	ug/l		
25) Methyl tert-Butyl Ether	3.375	73	5536	0.20	ug/l		98
26) Bromochloromethane	4.986	128	923	0.18	ug/l		89
27) Chloroform	5.096	83	5243	0.25	ug/l		100
28) 1,1,1-Trichloroethane	5.321	97	3342	0.20	ug/l		98
29) 1,1-Dichloropropene	5.533	75	3158	0.21	ug/l		90
30) Carbon Tetrachloride	5.533	117	2279	0.17	ug/l		86
31) Isopropyl Ether	4.002	45	6497	0.20	ug/l		95
32) Ethyl-t-butyl ether	4.514	59	5968	0.19	ug/l		93
33) Tert-Amyl methyl ether	5.951	73	5233	0.18	ug/l		94
34) Propionitrile	4.796	54	141	0.15	ug/l	#	1
35) Benzene	5.780	78	9774	0.22	ug/l		95
36) 1,2-Dichloroethane	5.803	62	2869	0.20	ug/l	#	88
37) Trichloroethene	6.546	130	2191	0.20	ug/l		89
38) 1,2-Dichloropropane	6.800	63	2517	0.22	ug/l		96
39) Methacrylonitrile	4.983	41	740	0.19	ug/l	#	66
40) Methyl acrylate	4.867	55	956	0.15	ug/l	#	70
41) Tetrahydrofuran	5.089	42	753m	0.35	ug/l		
42) 1-Chlorobutane	5.462	56	4279	0.19	ug/l		97
43) Dibromomethane	6.925	93	1184	0.21	ug/l		84
44) Bromodichloromethane	7.108	83	2968	0.21	ug/l	#	95

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.803	43	7086	0.91	ug/l		94
46) t-1,4-Dichloro-2-butene	10.844	75	655m	0.24	ug/l		
47) Methyl methacrylate	6.973	69	1961	0.34	ug/l	#	93
48) Ethyl methacrylate	8.343	69	1981	0.17	ug/l		98
49) Toluene	7.976	92	4864	0.18	ug/l		92
50) t-1,3-Dichloropropene	8.221	75	2427	0.17	ug/l	#	75
51) cis-1,3-Dichloropropene	7.616	75	2979	0.18	ug/l	#	92
52) 1,1,2-Trichloroethane	8.407	97	1677	0.20	ug/l		91
53) 1,3-Dichloropropane	8.584	76	3016	0.20	ug/l		96
54) 2-Hexanone	8.697	43	5954	0.98	ug/l		92
55) Dibromochloromethane	8.812	129	1543	0.18	ug/l		99
56) 1,2-Dibromoethane	8.925	107	1492	0.19	ug/l		89
58) Tetrachloroethene	8.558	164	2033	0.21	ug/l		92
59) Chlorobenzene	9.452	112	5550	0.20	ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.539	131	2001	0.21	ug/l		96
61) Pentachloroethane	11.433	117	1362	0.20	ug/l		93
62) Hexachloroethane	12.478	117	1445	0.20	ug/l		95
63) Ethyl Benzene	9.578	91	8827	0.17	ug/l		99
64) m/p-Xylenes	9.700	106	6429	0.33	ug/l		100
65) o-Xylene	10.105	106	3207	0.17	ug/l		97
66) Styrene	10.121	104	4798	0.16	ug/l		94
67) Bromoform	10.295	173	947	0.21	ug/l	#	83
69) Isopropylbenzene	10.491	105	8042	0.16	ug/l		96
70) 1,1,2,2-Tetrachloroethane	10.787	83	2104	0.20	ug/l	#	98
71) 1,2,3-Trichloropropane	10.835	75	1637m	0.19	ug/l		
72) Bromobenzene	10.790	156	2072	0.19	ug/l		97
73) n-propylbenzene	10.912	120	2016	0.16	ug/l		98
74) 2-Chlorotoluene	10.996	126	1846	0.16	ug/l		81
75) 1,3,5-Trimethylbenzene	11.095	105	6623	0.16	ug/l		98
76) 4-Chlorotoluene	11.105	126	1878	0.16	ug/l		95
77) tert-Butylbenzene	11.426	119	6864	0.17	ug/l		96
78) 1,2,4-Trimethylbenzene	11.475	105	6365	0.15	ug/l		98
79) sec-Butylbenzene	11.648	105	8658	0.16	ug/l		96
80) Nitrobenzene	13.221	77	358	1.18	ug/l	#	56
81) p-Isopropyltoluene	11.796	119	6306	0.14	ug/l		99
82) 1,3-Dichlorobenzene	11.754	146	4046	0.18	ug/l		99
83) 1,4-Dichlorobenzene	11.844	146	4199	0.19	ug/l		99
84) n-Butylbenzene	12.214	91	6481	0.15	ug/l		96
85) 1,2-Dichlorobenzene	12.217	146	4257	0.20	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	13.005	75	203	0.12	ug/l	#	79
87) 1,2,4-Trichlorobenzene	13.844	180	2716	0.21	ug/l		97
88) Hexachlorobutadiene	14.024	225	1030	0.17	ug/l		96
89) Naphthalene	14.092	128	6026	0.24	ug/l		99
90) 1,2,3-Trichlorobenzene	14.340	180	2681	0.23	ug/l		98

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

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