Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101521\
Data File : VU045321.D
Acq On : 15 Oct 2021 14:53
Operator : SY/MD
Sample : M4068-09 0.4PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 16 01:10:31 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

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

Manual Integrations APPROVED

MMDadoda

10/22/2021 5:37:54 PM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.118	96	39708	1.00	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.639	95	12909	0.89	ug/l		0.00
Spiked Amount 1.000			Recovery = 89.00%				
68) 1,2-Dichlorobenzene-d4	12.198	152	12109	0.89	ug/l		0.00
Spiked Amount 1.000			Recovery = 89.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.388	85	5491	0.36	ug/l		96
3) Chloromethane	1.520	50	6984	0.44	ug/l		98
4) Vinyl Chloride	1.604	62	5802	0.35	ug/l		96
5) Bromomethane	1.854	94	3634	0.40	ug/l		99
6) Chloroethane	1.932	64	4060	0.38	ug/l	#	86
7) Trichlorofluoromethane	2.137	101	6685	0.35	ug/l		100
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	3830	0.35	ug/l		97
9) 1,1-Dichloroethene	2.581	96	3592	0.35	ug/l		97
10) Iodomethane	2.726	142	3119	0.29	ug/l		99
11) Allyl Chloride	2.925	41	5346	0.35	ug/l		97
12) Acrylonitrile	3.340	53	1625	0.62	ug/l	#	91
13) Acetone	2.649	43	5874	1.87	ug/l	#	86
14) Carbon Disulfide	2.793	76	11175	0.35	ug/l		100
15) Methylene Chloride	3.047	84	9637	0.77	ug/l		98
16) trans-1,2-Dichloroethene	3.356	96	3900	0.35	ug/l		97
17) 1,1-Dichloroethane	3.874	63	7637	0.37	ug/l	#	94
18) 2-Butanone	4.732	43	6228	1.56	ug/l		100
19) Cyclohexane	5.388	56	6179m	0.32	ug/l		
20) Methylcyclohexane	6.767	83	5893	0.31	ug/l		96
21) 2,2-Dichloropropane	4.671	77	6241	0.35	ug/l		99
22) cis-1,2-Dichloroethene	4.674	96	4461	0.37	ug/l		99
23) Diethyl Ether	2.379	59	3258	0.33	ug/l		89
24) tert-Butyl Alcohol	3.240	59	1706m	2.23	ug/l		
25) Methyl tert-Butyl Ether	3.375	73	9081	0.31	ug/l		100
26) Bromochloromethane	4.976	128	1754	0.34	ug/l		93
27) Chloroform	5.092	83	8285	0.39	ug/l		97
28) 1,1,1-Trichloroethane	5.321	97	6092	0.35	ug/l		98
29) 1,1-Dichloropropene	5.530	75	5435	0.34	ug/l		96
30) Carbon Tetrachloride	5.530	117	4572	0.34	ug/l		98
31) Isopropyl Ether	4.005	45	11473	0.35	ug/l		93
32) Ethyl-t-butyl ether	4.510	59	10977	0.33	ug/l		97
33) Tert-Amyl methyl ether	5.951	73	8737	0.30	ug/l		100
34) Propionitrile	4.803	54	1500	1.51	ug/l	#	77
35) Benzene	5.777	78	16445	0.36	ug/l		97
36) 1,2-Dichloroethane	5.803	62	5134	0.35	ug/l	#	85
37) Trichloroethene	6.549	130	4091	0.36	ug/l		94
38) 1,2-Dichloropropane	6.796	63	4296	0.36	ug/l		94
39) Methacrylonitrile	4.989	41	1232	0.31	ug/l	#	88
40) Methyl acrylate	4.861	55	2078	0.32	ug/l	#	81
41) Tetrahydrofuran	5.076	42	1560	0.69	ug/l	#	38
42) 1-Chlorobutane	5.462	56	7932	0.35	ug/l		96
43) Dibromomethane	6.925	93	1929	0.32	ug/l		98
44) Bromodichloromethane	7.111	83	5026	0.34	ug/l		96

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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	12089	1.49	ug/l		98
46) t-1,4-Dichloro-2-butene	10.838	75	1579m	0.55	ug/l		
47) Methyl methacrylate	6.970	69	3168	0.53	ug/l		94
48) Ethyl methacrylate	8.343	69	3352	0.28	ug/l		93
49) Toluene	7.973	92	9165	0.32	ug/l		97
50) t-1,3-Dichloropropene	8.218	75	4318	0.30	ug/l	#	67
51) cis-1,3-Dichloropropene	7.613	75	5192	0.31	ug/l		98
52) 1,1,2-Trichloroethane	8.404	97	2883	0.34	ug/l		96
53) 1,3-Dichloropropane	8.581	76	5233	0.33	ug/l		99
54) 2-Hexanone	8.693	43	8899	1.42	ug/l		94
55) Dibromochloromethane	8.816	129	2732	0.30	ug/l		94
56) 1,2-Dibromoethane	8.928	107	2570	0.32	ug/l		98
58) Tetrachloroethene	8.558	164	3529	0.35	ug/l		94
59) Chlorobenzene	9.452	112	9844	0.33	ug/l		95
60) 1,1,1,2-Tetrachloroethane	9.539	131	3213	0.33	ug/l		93
61) Pentachloroethane	11.433	117	2670	0.38	ug/l		97
62) Hexachloroethane	12.481	117	2354	0.31	ug/l		94
63) Ethyl Benzene	9.574	91	15503	0.29	ug/l		98
64) m/p-Xylenes	9.700	106	11465	0.57	ug/l		98
65) o-Xylene	10.105	106	5775	0.29	ug/l		97
66) Styrene	10.118	104	8941	0.28	ug/l		96
67) Bromoform	10.291	173	1484	0.32	ug/l	#	91
69) Isopropylbenzene	10.488	105	14347	0.28	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.787	83	3553	0.32	ug/l	#	97
71) 1,2,3-Trichloropropane	10.828	75	2471m	0.27	ug/l		
72) Bromobenzene	10.787	156	3448	0.30	ug/l		93
73) n-propylbenzene	10.909	120	3487	0.26	ug/l		92
74) 2-Chlorotoluene	10.992	126	3325	0.29	ug/l		91
75) 1,3,5-Trimethylbenzene	11.095	105	11165	0.26	ug/l		98
76) 4-Chlorotoluene	11.102	126	3235	0.27	ug/l		96
77) tert-Butylbenzene	11.423	119	12274	0.29	ug/l		96
78) 1,2,4-Trimethylbenzene	11.471	105	11491	0.26	ug/l		100
79) sec-Butylbenzene	11.648	105	15336	0.27	ug/l		100
80) Nitrobenzene	13.221	77	319	1.02	ug/l	#	59
81) p-Isopropyltoluene	11.799	119	11563	0.25	ug/l		97
82) 1,3-Dichlorobenzene	11.751	146	7080	0.31	ug/l		99
83) 1,4-Dichlorobenzene	11.841	146	6806	0.30	ug/l		99
84) n-Butylbenzene	12.214	91	10820	0.25	ug/l		97
85) 1,2-Dichlorobenzene	12.217	146	6992	0.32	ug/l		97
86) 1,2-Dibromo-3-Chloropr...	13.002	75	469	0.26	ug/l		92
87) 1,2,4-Trichlorobenzene	13.848	180	3593	0.27	ug/l		95
88) Hexachlorobutadiene	14.028	225	1974	0.32	ug/l		94
89) Naphthalene	14.092	128	6302	0.24	ug/l		98
90) 1,2,3-Trichlorobenzene	14.333	180	3249	0.26	ug/l		96

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

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