Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042123\
Data File : VU053826.D
Acq On : 21 Apr 2023 15:22
Operator : JC/MD
Sample : 02213-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2023

Manual Integrations APPROVED
Reviewed By :Krupa Patel 04/28/2023
Supervised By :Mahesh Dadoda 04/28/2023

Quant Time: Apr 22 03:19:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Apr 21 09:18:21 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.112	96	32817	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	11734	0.912	ug/l	0.00
Spiked Amount 1.000			Recovery = 91.000%			
68) 1,2-Dichlorobenzene-d4	12.192	152	13268	0.867	ug/l	0.00
Spiked Amount 1.000			Recovery = 87.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	9965	1.002	ug/l	92
3) Chloromethane	1.520	50	8649	0.965	ug/l	98
4) Vinyl Chloride	1.604	62	10141	0.979	ug/l	99
5) Bromomethane	1.858	94	7498	0.962	ug/l	98
6) Chloroethane	1.935	64	7056	1.064	ug/l	98
7) Trichlorofluoromethane	2.137	101	17401	1.000	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	10792	0.953	ug/l #	88
9) 1,1-Dichloroethene	2.578	96	8041	0.867	ug/l	82
10) Iodomethane	2.723	142	8465	0.838	ug/l	95
11) Allyl Chloride	2.925	41	9289	0.844	ug/l	98
12) Acrylonitrile	3.327	53	3098	1.337	ug/l	97
13) Acetone	2.642	43	9534	2.944	ug/l	97
14) Carbon Disulfide	2.793	76	13004	0.854	ug/l	98
15) Methylene Chloride	3.044	84	17084	1.258	ug/l	87
16) trans-1,2-Dichloroethene	3.353	96	8267	0.824	ug/l	89
17) 1,1-Dichloroethane	3.867	63	18799	0.909	ug/l	97
18) 2-Butanone	4.723	43	12713m	3.028	ug/l	
19) Cyclohexane	5.385	56	11512m	0.805	ug/l	
20) Methylcyclohexane	6.761	83	13270	1.034	ug/l	97
21) 2,2-Dichloropropane	4.655	77	16076	0.855	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	10646	0.849	ug/l	96
23) Diethyl Ether	2.379	59	6820	0.998	ug/l	91
24) tert-Butyl Alcohol	3.221	59	7822m	8.403	ug/l	
25) Methyl tert-Butyl Ether	3.359	73	21813	0.843	ug/l #	75
26) Bromochloromethane	4.973	128	4940	0.890	ug/l	86
27) Chloroform	5.083	83	20732	0.928	ug/l	98
28) 1,1,1-Trichloroethane	5.314	97	16752	0.905	ug/l	97
29) 1,1-Dichloropropene	5.523	75	11997	1.018	ug/l	98
30) Carbon Tetrachloride	5.520	117	14134	1.067	ug/l	98
31) Isopropyl Ether	3.993	45	24295	0.812	ug/l	99
32) Ethyl-t-butyl ether	4.497	59	23937	0.791	ug/l	92
33) Tert-Amyl methyl ether	5.935	73	21875	0.990	ug/l	98
34) Propionitrile	4.793	54	3658m	3.897	ug/l	
35) Benzene	5.771	78	38942	1.073	ug/l	96
36) 1,2-Dichloroethane	5.793	62	11983	1.051	ug/l #	95
37) Trichloroethene	6.539	130	10939	1.062	ug/l	100
38) 1,2-Dichloropropane	6.787	63	10586	1.025	ug/l	96
39) Methacrylonitrile	4.977	41	2273m	0.607	ug/l	
40) Methyl acrylate	4.800	55	478	0.077	ug/l #	55
41) Tetrahydrofuran	5.070	42	2536	1.366	ug/l #	74
42) 1-Chlorobutane	5.459	56	16641	1.035	ug/l	93
43) Dibromomethane	6.919	93	5351	1.021	ug/l	98
44) Bromodichloromethane	7.105	83	13746	1.041	ug/l	94

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Apr 21 09:18:21 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	4-Methyl-2-Pentanone	7.790	43	25201	4.730	ug/l		98
46)	t-1,4-Dichloro-2-butene	10.825	75	5611m	2.536	ug/l		
47)	Methyl methacrylate	6.964	69	8489	1.845	ug/l		93
48)	Ethyl methacrylate	8.330	69	8627	0.957	ug/l		86
49)	Toluene	7.967	92	23676	1.036	ug/l		96
50)	t-1,3-Dichloropropene	8.211	75	11298	0.952	ug/l		94
51)	cis-1,3-Dichloropropene	7.603	75	14887	1.051	ug/l	#	90
52)	1,1,2-Trichloroethane	8.398	97	8364	1.006	ug/l		93
53)	1,3-Dichloropropane	8.571	76	13357	1.026	ug/l		98
54)	2-Hexanone	8.684	43	19478	3.898	ug/l		99
55)	Dibromochloromethane	8.806	129	8851	1.013	ug/l		98
56)	1,2-Dibromoethane	8.918	107	7762	1.083	ug/l		93
58)	Tetrachloroethene	8.549	164	10861	1.090	ug/l		97
59)	Chlorobenzene	9.443	112	29588	1.040	ug/l		98
60)	1,1,1,2-Tetrachloroethane	9.533	131	10572	1.031	ug/l		95
61)	Pentachloroethane	11.426	117	7429	0.939	ug/l		97
62)	Hexachloroethane	12.471	117	7002	0.907	ug/l		94
63)	Ethyl Benzene	9.568	91	46617	1.038	ug/l		93
64)	m/p-Xylenes	9.690	106	34835	1.968	ug/l		95
65)	o-Xylene	10.099	106	18347	1.028	ug/l		91
66)	Styrene	10.111	104	28006	0.987	ug/l		98
67)	Bromoform	10.288	173	4091	0.901	ug/l	#	94
69)	Isopropylbenzene	10.481	105	46895	1.006	ug/l		98
70)	1,1,2,2-Tetrachloroethane	10.780	83	9872	0.922	ug/l		99
71)	1,2,3-Trichloropropane	10.819	75	5113m	0.662	ug/l		
72)	Bromobenzene	10.780	156	12126	1.014	ug/l		90
73)	n-propylbenzene	10.902	120	12900	0.997	ug/l		91
74)	2-Chlorotoluene	10.983	126	11626	0.951	ug/l		97
75)	1,3,5-Trimethylbenzene	11.086	105	37856	0.930	ug/l		98
76)	4-Chlorotoluene	11.095	126	12779	1.025	ug/l		86
77)	tert-Butylbenzene	11.414	119	39539	0.966	ug/l		97
78)	1,2,4-Trimethylbenzene	11.465	105	39434	0.950	ug/l		96
79)	sec-Butylbenzene	11.639	105	54047	0.982	ug/l		97
80)	Nitrobenzene	13.214	77	1118	3.298	ug/l	#	92
81)	p-Isopropyltoluene	11.790	119	40410	0.896	ug/l		96
82)	1,3-Dichlorobenzene	11.742	146	24947	0.975	ug/l		99
83)	1,4-Dichlorobenzene	11.835	146	25330	0.993	ug/l		100
84)	n-Butylbenzene	12.205	91	40110	1.168	ug/l		96
85)	1,2-Dichlorobenzene	12.208	146	23763	0.950	ug/l		95
86)	1,2-Dibromo-3-Chloropr...	12.992	75	1415	0.939	ug/l		98
87)	1,2,4-Trichlorobenzene	13.838	180	14996	0.907	ug/l		99
88)	Hexachlorobutadiene	14.015	225	8285	0.940	ug/l		98
89)	Naphthalene	14.085	128	25626	0.885	ug/l		98
90)	1,2,3-Trichlorobenzene	14.327	180	14002	0.891	ug/l		98

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

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