Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070622\
Data File : VU049638.D
Acq On : 06 Jul 2022 16:44
Operator : SY/MD
Sample : N3214-07 0.25PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2022

Manual Integrations APPROVED

Reviewed By :Krupa Patel 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

Quant Time: Jul 07 07:34:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070622DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 07 07:34:06 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.115	96	51936	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	18544	0.975	ug/l	0.00
Spiked Amount 1.000			Recovery = 97.000%			
68) 1,2-Dichlorobenzene-d4	12.195	152	18069	1.032	ug/l	0.00
Spiked Amount 1.000			Recovery = 103.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	4380	0.220	ug/l	97
3) Chloromethane	1.530	50	6170	0.303	ug/l	99
4) Vinyl Chloride	1.604	62	4166	0.225	ug/l	97
5) Bromomethane	1.858	94	2623	0.271	ug/l	91
6) Chloroethane	1.935	64	2670	0.257	ug/l	96
7) Trichlorofluoromethane	2.138	101	5049	0.227	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	2566	0.220	ug/l	95
9) 1,1-Dichloroethene	2.578	96	2987	0.254	ug/l	95
10) Iodomethane	2.729	142	1190	0.080	ug/l	87
11) Allyl Chloride	2.922	41	5138	0.256	ug/l	93
12) Acrylonitrile	3.324	53	1830	0.581	ug/l #	68
13) Acetone	2.629	43	5584m	2.248	ug/l	
14) Carbon Disulfide	2.793	76	9426	0.243	ug/l	99
15) Methylene Chloride	3.044	84	11754	0.797	ug/l	97
16) trans-1,2-Dichloroethene	3.350	96	2831	0.229	ug/l	98
17) 1,1-Dichloroethane	3.867	63	5881	0.230	ug/l #	91
18) 2-Butanone	4.735	43	5764	1.361	ug/l	100
19) Cyclohexane	5.385	56	5062m	0.207	ug/l	
20) Methylcyclohexane	6.764	83	4807	0.200	ug/l	95
21) 2,2-Dichloropropane	4.665	77	4627	0.221	ug/l #	74
22) cis-1,2-Dichloroethene	4.668	96	3966	0.260	ug/l	95
23) Diethyl Ether	2.379	59	2183	0.218	ug/l #	84
24) tert-Butyl Alcohol	3.202	59	3507	3.064	ug/l #	76
25) Methyl tert-Butyl Ether	3.372	73	7965	0.242	ug/l	97
26) Bromochloromethane	4.977	128	1672	0.260	ug/l	93
27) Chloroform	5.089	83	5948	0.236	ug/l	98
28) 1,1,1-Trichloroethane	5.314	97	4882	0.220	ug/l	97
29) 1,1-Dichloropropene	5.530	75	4721	0.238	ug/l	95
30) Carbon Tetrachloride	5.517	117	4057	0.217	ug/l #	89
31) Isopropyl Ether	4.002	45	10586	0.241	ug/l	92
32) Ethyl-t-butyl ether	4.510	59	9460	0.228	ug/l	97
33) Tert-Amyl methyl ether	5.944	73	8383	0.232	ug/l	97
34) Propionitrile	4.797	54	1353	1.114	ug/l #	68
35) Benzene	5.777	78	13536	0.240	ug/l	100
36) 1,2-Dichloroethane	5.800	62	3877	0.241	ug/l #	89
37) Trichloroethene	6.542	130	3545	0.248	ug/l	93
38) 1,2-Dichloropropane	6.796	63	3574	0.239	ug/l	92
39) Methacrylonitrile	4.986	41	1213m	0.233	ug/l	
40) Methyl acrylate	4.871	55	1811	0.222	ug/l #	68
41) Tetrahydrofuran	5.080	42	2259	0.735	ug/l #	85
42) 1-Chlorobutane	5.459	56	6209	0.223	ug/l	93
43) Dibromomethane	6.915	93	1678	0.225	ug/l	97
44) Bromodichloromethane	7.105	83	4334	0.243	ug/l	96

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 07 07:34:06 2022
Response via : Initial Calibration

Instrument :
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ClientSampleId :
LOD-MDL-WATER-01-QT2-2022

Manual Integrations APPROVED

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	4-Methyl-2-Pentanone	7.800	43	12439	1.230	ug/l		96
46)	t-1,4-Dichloro-2-butene	10.835	75	1647m	0.501	ug/l		
47)	Methyl methacrylate	6.970	69	3392	0.452	ug/l		95
48)	Ethyl methacrylate	8.340	69	3223	0.214	ug/l		96
49)	Toluene	7.973	92	8219	0.238	ug/l		91
50)	t-1,3-Dichloropropene	8.214	75	3835	0.222	ug/l		96
51)	cis-1,3-Dichloropropene	7.610	75	4546	0.222	ug/l	#	89
52)	1,1,2-Trichloroethane	8.407	97	2690	0.262	ug/l		98
53)	1,3-Dichloropropane	8.578	76	4348	0.236	ug/l		97
54)	2-Hexanone	8.690	43	9136	1.301	ug/l		93
55)	Dibromochloromethane	8.812	129	2510	0.214	ug/l		90
56)	1,2-Dibromoethane	8.925	107	2478	0.249	ug/l		91
58)	Tetrachloroethene	8.555	164	2673	0.225	ug/l	#	92
59)	Chlorobenzene	9.449	112	8079	0.224	ug/l		97
60)	1,1,1,2-Tetrachloroethane	9.533	131	2943	0.229	ug/l		98
61)	Pentachloroethane	11.423	117	2120	0.215	ug/l		91
62)	Hexachloroethane	12.478	117	1987	0.201	ug/l		93
63)	Ethyl Benzene	9.571	91	14774	0.228	ug/l		98
64)	m/p-Xylenes	9.697	106	10477	0.436	ug/l		97
65)	o-Xylene	10.102	106	5236	0.222	ug/l		97
66)	Styrene	10.115	104	8876	0.234	ug/l		96
67)	Bromoform	10.298	173	1532	0.229	ug/l	#	95
69)	Isopropylbenzene	10.484	105	13483	0.214	ug/l		99
70)	1,1,2,2-Tetrachloroethane	10.783	83	3203	0.240	ug/l	#	93
71)	1,2,3-Trichloropropane	10.828	75	3053m	0.276	ug/l		
72)	Bromobenzene	10.783	156	3322	0.234	ug/l		86
73)	n-propylbenzene	10.906	120	3610	0.227	ug/l		96
74)	2-Chlorotoluene	10.986	126	3251	0.229	ug/l		88
75)	1,3,5-Trimethylbenzene	11.089	105	11157	0.212	ug/l		95
76)	4-Chlorotoluene	11.095	126	3267	0.230	ug/l		88
77)	tert-Butylbenzene	11.420	119	11530	0.222	ug/l	#	94
78)	1,2,4-Trimethylbenzene	11.468	105	11244	0.212	ug/l		99
79)	sec-Butylbenzene	11.642	105	15014	0.221	ug/l		97
80)	Nitrobenzene	13.221	77	623	1.140	ug/l	#	68
81)	p-Isopropyltoluene	11.796	119	11243	0.204	ug/l		95
82)	1,3-Dichlorobenzene	11.748	146	7073	0.257	ug/l		96
83)	1,4-Dichlorobenzene	11.835	146	7072	0.255	ug/l		98
84)	n-Butylbenzene	12.211	91	11462	0.223	ug/l		96
85)	1,2-Dichlorobenzene	12.214	146	7024	0.264	ug/l		98
86)	1,2-Dibromo-3-Chloropr...	12.996	75	560	0.240	ug/l		93
87)	1,2,4-Trichlorobenzene	13.844	180	5198	0.289	ug/l		92
88)	Hexachlorobutadiene	14.021	225	2278	0.249	ug/l		97
89)	Naphthalene	14.092	128	12971	0.344	ug/l		99
90)	1,2,3-Trichlorobenzene	14.333	180	5122	0.299	ug/l		95

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

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