Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101922\
Data File : VU051452.D
Acq On : 19 Oct 2022 12:27
Operator : JC/MD
Sample : N4955-09 0.25PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 20 07:38:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Oct 20 07:37:57 2022
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2022

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.115	96	52517	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	14803	0.804	ug/l	0.00
Spiked Amount 1.000			Recovery =	80.000%		
68) 1,2-Dichlorobenzene-d4	12.192	152	18573	0.903	ug/l	0.00
Spiked Amount 1.000			Recovery =	90.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	9476	0.517	ug/l	92
3) Chloromethane	1.533	50	14280	0.494	ug/l	97
4) Vinyl Chloride	1.604	62	11887	0.475	ug/l	96
5) Bromomethane	1.858	94	8541	0.612	ug/l	93
6) Chloroethane	1.935	64	7073	0.496	ug/l	99
7) Trichlorofluoromethane	2.138	101	13850	0.496	ug/l	92
8) 1,1,2-Trichloro-1,2,2-...	2.585	101	7801	0.506	ug/l	95
9) 1,1-Dichloroethene	2.581	96	8657	0.537	ug/l	92
10) Iodomethane	2.723	142	10103	0.484	ug/l	90
11) Allyl Chloride	2.922	41	11456	0.466	ug/l #	83
12) Acrylonitrile	3.324	53	5484	1.156	ug/l #	94
13) Acetone	2.646	43	9969	2.919	ug/l	93
14) Carbon Disulfide	2.794	76	29281	0.510	ug/l	99
15) Methylene Chloride	3.044	84	19173	0.812	ug/l	96
16) trans-1,2-Dichloroethene	3.347	96	9656	0.522	ug/l	93
17) 1,1-Dichloroethane	3.867	63	16718	0.503	ug/l	100
18) 2-Butanone	4.736	43	10001	2.413	ug/l	89
19) Cyclohexane	5.388	56	8097m	0.393	ug/l	
20) Methylcyclohexane	6.764	83	7095	0.347	ug/l	95
21) 2,2-Dichloropropane	4.662	77	11101	0.478	ug/l	98
22) cis-1,2-Dichloroethene	4.668	96	8802	0.503	ug/l	91
23) Diethyl Ether	2.379	59	7229	0.514	ug/l	91
24) tert-Butyl Alcohol	3.231	59	7099	4.810	ug/l #	85
25) Methyl tert-Butyl Ether	3.366	73	21803	0.520	ug/l	95
26) Bromochloromethane	4.973	128	4102	0.481	ug/l	96
27) Chloroform	5.086	83	16962	0.504	ug/l	96
28) 1,1,1-Trichloroethane	5.318	97	13407	0.499	ug/l	94
29) 1,1-Dichloropropene	5.523	75	8776	0.427	ug/l	95
30) Carbon Tetrachloride	5.520	117	11103	0.490	ug/l	94
31) Isopropyl Ether	3.996	45	18323	0.466	ug/l	90
32) Ethyl-t-butyl ether	4.504	59	15881	0.443	ug/l	98
33) Tert-Amyl methyl ether	5.945	73	13109	0.416	ug/l	99
34) Propionitrile	4.813	54	3238	2.324	ug/l #	90
35) Benzene	5.774	78	30478	0.441	ug/l	100
36) 1,2-Dichloroethane	5.800	62	10886	0.511	ug/l	95
37) Trichloroethene	6.543	130	7336	0.453	ug/l	92
38) 1,2-Dichloropropane	6.793	63	9022	0.476	ug/l	98
39) Methacrylonitrile	4.986	41	2226	0.468	ug/l #	79
40) Methyl acrylate	4.861	55	3200	0.421	ug/l #	71
41) Tetrahydrofuran	5.076	42	2209	0.883	ug/l	92
42) 1-Chlorobutane	5.459	56	12047	0.429	ug/l	90
43) Dibromomethane	6.922	93	4177	0.425	ug/l	89
44) Bromodichloromethane	7.105	83	10942	0.460	ug/l	99

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Oct 20 07:37:57 2022
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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	4-Methyl-2-Pentanone	7.800	43	18545	1.982	ug/l		92
46)	t-1,4-Dichloro-2-butene	10.832	75	4124m	0.790	ug/l		
47)	Methyl methacrylate	6.964	69	5634	0.750	ug/l		95
48)	Ethyl methacrylate	8.337	69	4592	0.365	ug/l		87
49)	Toluene	7.970	92	13280	0.351	ug/l		90
50)	t-1,3-Dichloropropene	8.215	75	7949	0.416	ug/l		98
51)	cis-1,3-Dichloropropene	7.610	75	9932	0.440	ug/l		97
52)	1,1,2-Trichloroethane	8.401	97	7053	0.503	ug/l		88
53)	1,3-Dichloropropane	8.578	76	9791	0.433	ug/l		99
54)	2-Hexanone	8.690	43	11934	1.855	ug/l		97
55)	Dibromochloromethane	8.809	129	6637	0.435	ug/l		96
56)	1,2-Dibromoethane	8.928	107	5619	0.455	ug/l		95
58)	Tetrachloroethene	8.552	164	5813	0.412	ug/l		93
59)	Chlorobenzene	9.449	112	17046	0.410	ug/l		98
60)	1,1,1,2-Tetrachloroethane	9.533	131	7268	0.456	ug/l		98
61)	Pentachloroethane	11.423	117	6027	0.425	ug/l		92
62)	Hexachloroethane	12.472	117	5231	0.388	ug/l		95
63)	Ethyl Benzene	9.568	91	21022	0.334	ug/l		97
64)	m/p-Xylenes	9.694	106	14999	0.597	ug/l		99
65)	o-Xylene	10.102	106	7375	0.302	ug/l		95
66)	Styrene	10.115	104	11861	0.293	ug/l		98
67)	Bromoform	10.292	173	4104	0.479	ug/l	#	84
69)	Isopropylbenzene	10.481	105	18232	0.303	ug/l		97
70)	1,1,2,2-Tetrachloroethane	10.784	83	8406	0.443	ug/l		98
71)	1,2,3-Trichloropropane	10.832	75	4960m	0.352	ug/l		
72)	Bromobenzene	10.784	156	6015	0.364	ug/l		94
73)	n-propylbenzene	10.906	120	4693	0.277	ug/l		97
74)	2-Chlorotoluene	10.986	126	4936	0.307	ug/l		100
75)	1,3,5-Trimethylbenzene	11.089	105	14557	0.267	ug/l		99
76)	4-Chlorotoluene	11.099	126	4695	0.285	ug/l		93
77)	tert-Butylbenzene	11.420	119	16438	0.309	ug/l		92
78)	1,2,4-Trimethylbenzene	11.468	105	13973	0.246	ug/l		95
79)	sec-Butylbenzene	11.642	105	18683	0.265	ug/l		98
80)	Nitrobenzene	13.211	77	1940m	2.064	ug/l		
81)	p-Isopropyltoluene	11.793	119	13617	0.241	ug/l		96
82)	1,3-Dichlorobenzene	11.745	146	12091	0.341	ug/l		97
83)	1,4-Dichlorobenzene	11.838	146	12437	0.358	ug/l		94
84)	n-Butylbenzene	12.211	91	14154	0.253	ug/l		99
85)	1,2-Dichlorobenzene	12.211	146	12281	0.351	ug/l		99
86)	1,2-Dibromo-3-Chloropr...	13.002	75	1153	0.388	ug/l		91
87)	1,2,4-Trichlorobenzene	13.845	180	6116	0.323	ug/l		96
88)	Hexachlorobutadiene	14.021	225	4628	0.375	ug/l		100
89)	Naphthalene	14.092	128	12226	0.308	ug/l	#	96
90)	1,2,3-Trichlorobenzene	14.330	180	6413	0.309	ug/l		92

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

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