Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022723\
Data File : VU053158.D
Acq On : 27 Feb 2023 18:21
Operator : JC/MD
Sample : 01627-07 0.8PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023

Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023

Quant Time: Feb 28 04:08:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U022723DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Feb 28 04:06:34 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.112	96	25344	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	10233	0.957	ug/l	0.00
Spiked Amount 1.000			Recovery = 96.000%			
68) 1,2-Dichlorobenzene-d4	12.193	152	8202	0.967	ug/l	0.00
Spiked Amount 1.000			Recovery = 97.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.386	85	3954	0.615	ug/l	100
3) Chloromethane	1.521	50	4338	0.654	ug/l	95
4) Vinyl Chloride	1.605	62	4693	0.665	ug/l	97
5) Bromomethane	1.862	94	2800	0.697	ug/l	99
6) Chloroethane	1.936	64	3095	0.722	ug/l	98
7) Trichlorofluoromethane	2.142	101	6355	0.626	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.582	101	3975	0.626	ug/l	97
9) 1,1-Dichloroethene	2.582	96	3699	0.670	ug/l	95
10) Iodomethane	2.727	142	3107	0.547	ug/l	98
11) Allyl Chloride	2.923	41	5230	0.607	ug/l	87
12) Acrylonitrile	3.322	53	2300	1.628	ug/l #	74
13) Acetone	2.653	43	5421m	2.684	ug/l	
14) Carbon Disulfide	2.794	76	8271	0.653	ug/l	96
15) Methylene Chloride	3.045	84	7782	0.987	ug/l	92
16) trans-1,2-Dichloroethene	3.350	96	4187	0.690	ug/l	93
17) 1,1-Dichloroethane	3.865	63	8541	0.644	ug/l	96
18) 2-Butanone	4.723	43	7219m	2.978	ug/l	
19) Cyclohexane	5.386	56	7089m	0.669	ug/l	
20) Methylcyclohexane	6.759	83	6169	0.607	ug/l	96
21) 2,2-Dichloropropane	4.662	77	7969	0.685	ug/l	95
22) cis-1,2-Dichloroethene	4.666	96	4866	0.650	ug/l	96
23) Diethyl Ether	2.376	59	3054	0.677	ug/l #	92
24) tert-Butyl Alcohol	3.257	59	4129m	7.786	ug/l	
25) Methyl tert-Butyl Ether	3.363	73	10639	0.663	ug/l	98
26) Bromochloromethane	4.977	128	1925	0.665	ug/l	85
27) Chloroform	5.087	83	8593	0.629	ug/l	96
28) 1,1,1-Trichloroethane	5.312	97	7650	0.666	ug/l	95
29) 1,1-Dichloropropene	5.524	75	5411	0.629	ug/l	95
30) Carbon Tetrachloride	5.524	117	5054	0.639	ug/l	93
31) Isopropyl Ether	3.994	45	14213	0.671	ug/l	91
32) Ethyl-t-butyl ether	4.505	59	12798	0.638	ug/l	99
33) Tert-Amyl methyl ether	5.945	73	11111	0.698	ug/l	95
34) Propionitrile	4.807	54	2085m	3.697	ug/l	
35) Benzene	5.772	78	16927	0.667	ug/l	94
36) 1,2-Dichloroethane	5.794	62	5274	0.695	ug/l #	90
37) Trichloroethene	6.540	130	3972	0.682	ug/l	100
38) 1,2-Dichloropropane	6.791	63	5024	0.684	ug/l	94
39) Methacrylonitrile	4.981	41	1474	0.613	ug/l #	61
40) Methyl acrylate	4.852	55	2746	0.738	ug/l #	87
41) Tetrahydrofuran	5.071	42	2334m	1.979	ug/l	
42) 1-Chlorobutane	5.453	56	8272	0.690	ug/l	97
43) Dibromomethane	6.916	93	2176	0.668	ug/l	97
44) Bromodichloromethane	7.106	83	5640	0.633	ug/l	96

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U022723DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Feb 28 04:06:34 2023
Response via : Initial Calibration

Instrument :
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ClientSampleId :
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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	4-Methyl-2-Pentanone	7.797	43	14055	3.536	ug/l		96
46)	t-1,4-Dichloro-2-butene	10.826	75	2795m	1.396	ug/l		
47)	Methyl methacrylate	6.964	69	4515	1.348	ug/l		94
48)	Ethyl methacrylate	8.337	69	4529	0.659	ug/l		90
49)	Toluene	7.968	92	10465	0.669	ug/l		96
50)	t-1,3-Dichloropropene	8.209	75	5644	0.652	ug/l	#	87
51)	cis-1,3-Dichloropropene	7.608	75	6651	0.634	ug/l		98
52)	1,1,2-Trichloroethane	8.398	97	3488	0.729	ug/l		95
53)	1,3-Dichloropropane	8.575	76	5810	0.678	ug/l		99
54)	2-Hexanone	8.691	43	10117	2.988	ug/l		95
55)	Dibromochloromethane	8.807	129	3444	0.631	ug/l		97
56)	1,2-Dibromoethane	8.923	107	2835	0.667	ug/l		99
58)	Tetrachloroethene	8.550	164	3033	0.653	ug/l		97
59)	Chlorobenzene	9.447	112	11358	0.649	ug/l		99
60)	1,1,1,2-Tetrachloroethane	9.530	131	3648	0.631	ug/l		95
61)	Pentachloroethane	11.424	117	3444	0.686	ug/l		85
62)	Hexachloroethane	12.475	117	3129	0.565	ug/l		100
63)	Ethyl Benzene	9.569	91	21892	0.678	ug/l		96
64)	m/p-Xylenes	9.691	106	15590	1.332	ug/l		99
65)	o-Xylene	10.099	106	7581	0.634	ug/l		95
66)	Styrene	10.112	104	11994	0.633	ug/l		99
67)	Bromoform	10.289	173	1644	0.620	ug/l	#	89
69)	Isopropylbenzene	10.482	105	20510	0.641	ug/l		97
70)	1,1,2,2-Tetrachloroethane	10.778	83	4294	0.666	ug/l	#	92
71)	1,2,3-Trichloropropane	10.823	75	4037m	0.728	ug/l		
72)	Bromobenzene	10.781	156	4105	0.661	ug/l		91
73)	n-propylbenzene	10.903	120	5717	0.673	ug/l		94
74)	2-Chlorotoluene	10.984	126	5076	0.722	ug/l		90
75)	1,3,5-Trimethylbenzene	11.083	105	17107	0.642	ug/l		99
76)	4-Chlorotoluene	11.093	126	5348	0.723	ug/l		74
77)	tert-Butylbenzene	11.414	119	16949	0.649	ug/l		99
78)	1,2,4-Trimethylbenzene	11.466	105	17323	0.638	ug/l		99
79)	sec-Butylbenzene	11.640	105	23603	0.651	ug/l		98
80)	Nitrobenzene	13.221	77	909	2.699	ug/l	#	77
81)	p-Isopropyltoluene	11.791	119	17890	0.623	ug/l		99
82)	1,3-Dichlorobenzene	11.742	146	8873	0.650	ug/l		97
83)	1,4-Dichlorobenzene	11.832	146	8597	0.617	ug/l		89
84)	n-Butylbenzene	12.205	91	17948	0.604	ug/l		99
85)	1,2-Dichlorobenzene	12.209	146	8438	0.649	ug/l		99
86)	1,2-Dibromo-3-Chloropr...	12.987	75	680	0.671	ug/l	#	86
87)	1,2,4-Trichlorobenzene	13.839	180	5556	0.696	ug/l	#	90
88)	Hexachlorobutadiene	14.019	225	2173	0.557	ug/l		95
89)	Naphthalene	14.086	128	11289	0.665	ug/l		98
90)	1,2,3-Trichlorobenzene	14.331	180	4531	0.645	ug/l		95

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

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