Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082222\
Data File : VU050405.D
Acq On : 22 Aug 2022 18:57
Operator : SY/MD
Sample : N3980-07 0.5ppb
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2022

Manual Integrations APPROVED

Reviewed By :Krupa Patel 08/27/2022
Supervised By :Mahesh Dadoda 09/12/2022

Quant Time: Aug 23 09:10:26 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Aug 23 09:08:23 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.115	96	32631	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	9302	0.837	ug/l	0.00
Spiked Amount 1.000			Recovery =	84.000%		
68) 1,2-Dichlorobenzene-d4	12.195	152	12330	0.939	ug/l	0.00
Spiked Amount 1.000			Recovery =	94.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	11006	0.814	ug/l	91
3) Chloromethane	1.520	50	14963	0.910	ug/l	89
4) Vinyl Chloride	1.604	62	11975	0.852	ug/l	94
5) Bromomethane	1.858	94	3306	0.575	ug/l	94
6) Chloroethane	1.932	64	7602	0.895	ug/l	99
7) Trichlorofluoromethane	2.137	101	14737	0.841	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	7759	0.791	ug/l	99
9) 1,1-Dichloroethene	2.581	96	8349	0.869	ug/l	99
10) Iodomethane	2.723	142	2350	0.297	ug/l	88
11) Allyl Chloride	2.922	41	12694	0.857	ug/l	96
12) Acrylonitrile	3.330	53	3785	1.313	ug/l	93
13) Acetone	2.636	43	6858	3.402	ug/l	91
14) Carbon Disulfide	2.793	76	25493	0.856	ug/l	99
15) Methylene Chloride	3.047	84	11922	0.917	ug/l	97
16) trans-1,2-Dichloroethene	3.353	96	8573	0.863	ug/l	97
17) 1,1-Dichloroethane	3.874	63	18585	0.898	ug/l	99
18) 2-Butanone	4.732	43	10234	3.228	ug/l	98
19) Cyclohexane	5.369	56	9582m	0.638	ug/l	
20) Methylcyclohexane	6.768	83	8096	0.684	ug/l	96
21) 2,2-Dichloropropane	4.658	77	12371	0.787	ug/l	96
22) cis-1,2-Dichloroethene	4.662	96	10059	0.895	ug/l	96
23) Diethyl Ether	2.379	59	6982	0.846	ug/l	95
24) tert-Butyl Alcohol	3.205	59	7012	8.030	ug/l #	83
25) Methyl tert-Butyl Ether	3.375	73	20876	0.818	ug/l	97
26) Bromochloromethane	4.970	128	3826	0.849	ug/l	88
27) Chloroform	5.083	83	18110	0.903	ug/l	96
28) 1,1,1-Trichloroethane	5.305	97	12770	0.747	ug/l	96
29) 1,1-Dichloropropene	5.517	75	9608	0.701	ug/l	99
30) Carbon Tetrachloride	5.510	117	10760	0.786	ug/l	96
31) Isopropyl Ether	4.009	45	29313	0.913	ug/l	95
32) Ethyl-t-butyl ether	4.517	59	20325	0.806	ug/l	98
33) Tert-Amyl methyl ether	5.957	73	9956	0.606	ug/l #	83
34) Propionitrile	4.806	54	3895	4.159	ug/l #	86
35) Benzene	5.768	78	31933	0.793	ug/l	99
36) 1,2-Dichloroethane	5.797	62	10303	0.838	ug/l	98
37) Trichloroethene	6.552	130	7813	0.809	ug/l	91
38) 1,2-Dichloropropane	6.806	63	9331	0.863	ug/l	92
39) Methacrylonitrile	4.989	41	3567	0.928	ug/l #	88
40) Methyl acrylate	4.861	55	6234m	1.065	ug/l	
41) Tetrahydrofuran	5.073	42	3596	1.869	ug/l	93
42) 1-Chlorobutane	5.449	56	13610	0.697	ug/l	98
43) Dibromomethane	6.935	93	4980	0.854	ug/l	94
44) Bromodichloromethane	7.118	83	11741	0.854	ug/l #	92

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Aug 23 09:08:23 2022
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	7.816	43	20068	3.430	ug/l		95
46)	t-1,4-Dichloro-2-butene	10.832	75	4295m	1.454	ug/l		
47)	Methyl methacrylate	6.986	69	5930	1.359	ug/l		95
48)	Ethyl methacrylate	8.349	69	4681	0.589	ug/l		99
49)	Toluene	7.980	92	14587	0.674	ug/l		91
50)	t-1,3-Dichloropropene	8.221	75	7634	0.713	ug/l		92
51)	cis-1,3-Dichloropropene	7.616	75	9594	0.783	ug/l		98
52)	1,1,2-Trichloroethane	8.411	97	7130	0.832	ug/l		98
53)	1,3-Dichloropropane	8.584	76	10599	0.786	ug/l		100
54)	2-Hexanone	8.703	43	12686	3.114	ug/l		93
55)	Dibromochloromethane	8.816	129	7779	0.826	ug/l		97
56)	1,2-Dibromoethane	8.931	107	5667	0.737	ug/l		100
58)	Tetrachloroethene	8.555	164	7273	0.800	ug/l		96
59)	Chlorobenzene	9.452	112	18062	0.773	ug/l		96
60)	1,1,1,2-Tetrachloroethane	9.539	131	8127	0.828	ug/l		99
61)	Pentachloroethane	11.430	117	6876	0.842	ug/l		86
62)	Hexachloroethane	12.478	117	5512	0.811	ug/l		92
63)	Ethyl Benzene	9.574	91	23151	0.623	ug/l		97
64)	m/p-Xylenes	9.697	106	17275	1.191	ug/l		96
65)	o-Xylene	10.105	106	8755	0.634	ug/l		96
66)	Styrene	10.118	104	13714	0.584	ug/l		96
67)	Bromoform	10.298	173	4319	0.807	ug/l		98
69)	Isopropylbenzene	10.488	105	22846	0.636	ug/l		98
70)	1,1,2,2-Tetrachloroethane	10.787	83	9260	0.786	ug/l		98
71)	1,2,3-Trichloropropane	10.825	75	5462m	0.616	ug/l		
72)	Bromobenzene	10.787	156	7709	0.765	ug/l		90
73)	n-propylbenzene	10.909	120	5951	0.609	ug/l		98
74)	2-Chlorotoluene	10.989	126	5988	0.631	ug/l		95
75)	1,3,5-Trimethylbenzene	11.092	105	17878	0.563	ug/l		96
76)	4-Chlorotoluene	11.102	126	6297	0.648	ug/l		68
77)	tert-Butylbenzene	11.423	119	20652	0.661	ug/l		93
78)	1,2,4-Trimethylbenzene	11.472	105	17611	0.538	ug/l		97
79)	sec-Butylbenzene	11.645	105	24812	0.605	ug/l		99
80)	Nitrobenzene	13.224	77	3023	4.727	ug/l	#	92
81)	p-Isopropyltoluene	11.796	119	19002	0.581	ug/l		97
82)	1,3-Dichlorobenzene	11.751	146	15565	0.750	ug/l		95
83)	1,4-Dichlorobenzene	11.838	146	14876	0.721	ug/l		98
84)	n-Butylbenzene	12.211	91	19084	0.617	ug/l		94
85)	1,2-Dichlorobenzene	12.214	146	14855	0.728	ug/l		98
86)	1,2-Dibromo-3-Chloropr...	13.002	75	1524	0.819	ug/l		88
87)	1,2,4-Trichlorobenzene	13.844	180	8290	0.712	ug/l		98
88)	Hexachlorobutadiene	14.021	225	5855	0.773	ug/l		98
89)	Naphthalene	14.092	128	16089	0.627	ug/l		99
90)	1,2,3-Trichlorobenzene	14.333	180	8202	0.669	ug/l		99

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

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