Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082222\
Data File : VU050406.D
Acq On : 22 Aug 2022 19:24
Operator : SY/MD
Sample : N3980-08 0.5ppb
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2022

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

Quant Time: Aug 23 09:11:10 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	6.118	96	32063	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	9082	0.832	ug/l	0.00
Spiked Amount 1.000			Recovery =	83.000%		
68) 1,2-Dichlorobenzene-d4	12.198	152	11044	0.856	ug/l	0.00
Spiked Amount 1.000			Recovery =	86.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	6315	0.476	ug/l	93
3) Chloromethane	1.520	50	9380	0.581	ug/l	98
4) Vinyl Chloride	1.604	62	7484	0.542	ug/l	95
5) Bromomethane	1.858	94	2327	0.412	ug/l	84
6) Chloroethane	1.935	64	4968	0.595	ug/l	94
7) Trichlorofluoromethane	2.141	101	8975	0.521	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	5002	0.519	ug/l	95
9) 1,1-Dichloroethene	2.584	96	4839	0.512	ug/l	94
10) Iodomethane	2.732	142	1389	0.178	ug/l	92
11) Allyl Chloride	2.938	41	8037	0.552	ug/l	96
12) Acrylonitrile	3.353	53	2736	0.966	ug/l	95
13) Acetone	2.642	43	4345	2.194	ug/l	100
14) Carbon Disulfide	2.803	76	16227	0.555	ug/l	96
15) Methylene Chloride	3.064	84	8622	0.675	ug/l	93
16) trans-1,2-Dichloroethene	3.375	96	5456	0.559	ug/l	94
17) 1,1-Dichloroethane	3.887	63	10977	0.540	ug/l	99
18) 2-Butanone	4.761	43	7507m	2.410	ug/l	
19) Cyclohexane	5.366	56	8112m	0.550	ug/l	
20) Methylcyclohexane	6.790	83	4970	0.427	ug/l	98
21) 2,2-Dichloropropane	4.671	77	7443	0.482	ug/l	96
22) cis-1,2-Dichloroethene	4.674	96	5811	0.526	ug/l	88
23) Diethyl Ether	2.382	59	4160	0.513	ug/l	94
24) tert-Butyl Alcohol	3.221	59	3795	4.423	ug/l #	73
25) Methyl tert-Butyl Ether	3.398	73	13110	0.523	ug/l	94
26) Bromochloromethane	4.973	128	2419	0.546	ug/l	87
27) Chloroform	5.089	83	11295	0.573	ug/l	92
28) 1,1,1-Trichloroethane	5.308	97	8918	0.531	ug/l	97
29) 1,1-Dichloropropene	5.510	75	7774	0.577	ug/l	92
30) Carbon Tetrachloride	5.507	117	7270	0.540	ug/l	84
31) Isopropyl Ether	4.028	45	17485	0.554	ug/l	90
32) Ethyl-t-butyl ether	4.536	59	12080	0.488	ug/l	98
33) Tert-Amyl methyl ether	5.964	73	7342m	0.455	ug/l	
34) Propionitrile	4.822	54	2383m	2.590	ug/l	
35) Benzene	5.761	78	21151	0.534	ug/l	98
36) 1,2-Dichloroethane	5.797	62	6608	0.547	ug/l #	93
37) Trichloroethene	6.571	130	4564	0.481	ug/l	88
38) 1,2-Dichloropropane	6.829	63	5426	0.511	ug/l	96
39) Methacrylonitrile	4.999	41	2224	0.589	ug/l #	57
40) Methyl acrylate	4.874	55	3417m	0.594	ug/l	
41) Tetrahydrofuran	5.096	42	2381	1.259	ug/l #	77
42) 1-Chlorobutane	5.446	56	10599	0.553	ug/l	96
43) Dibromomethane	6.960	93	2875	0.502	ug/l	95
44) Bromodichloromethane	7.141	83	7209	0.533	ug/l	96

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Aug 23 09:08:23 2022
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Instrument :
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ClientSampleId :
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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.835	43	11933	2.076 ug/l		95
46) t-1,4-Dichloro-2-butene	10.832	75	3129m	1.078 ug/l		
47) Methyl methacrylate	7.012	69	3526	0.823 ug/l	#	92
48) Ethyl methacrylate	8.366	69	2750	0.352 ug/l		99
49) Toluene	7.989	92	8785	0.413 ug/l		98
50) t-1,3-Dichloropropene	8.234	75	4508	0.428 ug/l		89
51) cis-1,3-Dichloropropene	7.636	75	5137	0.426 ug/l		99
52) 1,1,2-Trichloroethane	8.420	97	4192	0.498 ug/l		95
53) 1,3-Dichloropropane	8.594	76	6291	0.475 ug/l		99
54) 2-Hexanone	8.716	43	7728	1.930 ug/l		90
55) Dibromochloromethane	8.825	129	4686	0.506 ug/l		96
56) 1,2-Dibromoethane	8.944	107	3558	0.471 ug/l		98
58) Tetrachloroethene	8.568	164	4508	0.505 ug/l		93
59) Chlorobenzene	9.459	112	10410	0.454 ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.549	131	4829	0.501 ug/l		95
61) Pentachloroethane	11.430	117	3657	0.456 ug/l		95
62) Hexachloroethane	12.478	117	3328	0.498 ug/l		96
63) Ethyl Benzene	9.581	91	13829	0.378 ug/l		96
64) m/p-Xylenes	9.703	106	9999	0.702 ug/l		94
65) o-Xylene	10.111	106	5298	0.390 ug/l		94
66) Styrene	10.124	104	7521	0.326 ug/l		96
67) Bromoform	10.301	173	2484	0.472 ug/l	#	97
69) Isopropylbenzene	10.491	105	12695	0.360 ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.790	83	5874	0.507 ug/l		97
71) 1,2,3-Trichloropropane	10.832	75	4135m	0.475 ug/l		
72) Bromobenzene	10.790	156	4212	0.425 ug/l		90
73) n-propylbenzene	10.912	120	3177	0.331 ug/l		87
74) 2-Chlorotoluene	10.993	126	3535	0.379 ug/l		88
75) 1,3,5-Trimethylbenzene	11.092	105	10201	0.327 ug/l		99
76) 4-Chlorotoluene	11.105	126	3365	0.352 ug/l		78
77) tert-Butylbenzene	11.427	119	11269	0.367 ug/l		96
78) 1,2,4-Trimethylbenzene	11.472	105	10357	0.322 ug/l		93
79) sec-Butylbenzene	11.648	105	14464	0.359 ug/l		100
80) Nitrobenzene	13.217	77	1693	2.694 ug/l	#	65
81) p-Isopropyltoluene	11.796	119	11171	0.347 ug/l		98
82) 1,3-Dichlorobenzene	11.751	146	9099	0.446 ug/l		95
83) 1,4-Dichlorobenzene	11.841	146	8466	0.417 ug/l		98
84) n-Butylbenzene	12.211	91	11681	0.384 ug/l		97
85) 1,2-Dichlorobenzene	12.214	146	8525	0.425 ug/l		98
86) 1,2-Dibromo-3-Chloropr...	13.002	75	777	0.425 ug/l	#	88
87) 1,2,4-Trichlorobenzene	13.844	180	5646	0.493 ug/l		98
88) Hexachlorobutadiene	14.021	225	3713	0.499 ug/l		95
89) Naphthalene	14.092	128	10703	0.425 ug/l		99
90) 1,2,3-Trichlorobenzene	14.333	180	5553	0.461 ug/l		98

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

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