Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101321\
Data File : VU045307.D
Acq On : 13 Oct 2021 14:28
Operator : SY/MD
Sample : VU1013WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU1013WBS01

Manual Integrations APPROVED
apatel
10/14/2021 2:37:01 PM

Quant Time: Oct 14 05:51:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101321DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Oct 14 05:46:27 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.118	96	40995	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	14837	0.986	ug/l	0.00
Spiked Amount 1.000			Recovery =	99.000%		
68) 1,2-Dichlorobenzene-d4	12.198	152	13731	0.974	ug/l	0.00
Spiked Amount 1.000			Recovery =	97.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	31914	2.037	ug/l	98
3) Chloromethane	1.520	50	33237	2.036	ug/l	99
4) Vinyl Chloride	1.604	62	34607	2.044	ug/l	100
5) Bromomethane	1.858	94	19879	2.141	ug/l	98
6) Chloroethane	1.935	64	22457	2.047	ug/l	96
7) Trichlorofluoromethane	2.137	101	40033	2.030	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	22996	2.016	ug/l	99
9) 1,1-Dichloroethene	2.581	96	20640	1.937	ug/l	95
10) Iodomethane	2.726	142	17780	1.594	ug/l	99
11) Allyl Chloride	2.928	41	31242	1.997	ug/l	100
12) Acrylonitrile	3.334	53	9624	3.541	ug/l	90
13) Acetone	2.646	43	28460	8.777	ug/l	96
14) Carbon Disulfide	2.797	76	63884	1.965	ug/l	99
15) Methylene Chloride	3.051	84	28991	2.246	ug/l	98
16) trans-1,2-Dichloroethene	3.359	96	22445	1.959	ug/l	99
17) 1,1-Dichloroethane	3.877	63	43207	2.010	ug/l	99
18) 2-Butanone	4.726	43	35914	8.709	ug/l	99
19) Cyclohexane	5.391	56	38512m	1.937	ug/l	
20) Methylcyclohexane	6.768	83	38376	1.940	ug/l	96
21) 2,2-Dichloropropane	4.671	77	36438	1.995	ug/l	99
22) cis-1,2-Dichloroethene	4.671	96	24989	1.983	ug/l	99
23) Diethyl Ether	2.382	59	19056	1.889	ug/l	96
24) tert-Butyl Alcohol	3.221	59	15475m	19.565	ug/l	
25) Methyl tert-Butyl Ether	3.375	73	56324	1.892	ug/l	97
26) Bromochloromethane	4.980	128	10397	1.932	ug/l	97
27) Chloroform	5.092	83	43782	1.991	ug/l	99
28) 1,1,1-Trichloroethane	5.321	97	36357	2.017	ug/l	100
29) 1,1-Dichloropropene	5.530	75	32997	2.003	ug/l	100
30) Carbon Tetrachloride	5.530	117	26968	1.930	ug/l	98
31) Isopropyl Ether	4.002	45	67700	1.990	ug/l	99
32) Ethyl-t-butyl ether	4.510	59	67736	1.977	ug/l	99
33) Tert-Amyl methyl ether	5.948	73	57141	1.882	ug/l	99
34) Propionitrile	4.797	54	9610	9.366	ug/l #	91
35) Benzene	5.780	78	95205	1.999	ug/l	98
36) 1,2-Dichloroethane	5.803	62	29196	1.920	ug/l	99
37) Trichloroethene	6.549	130	22890	1.976	ug/l	100
38) 1,2-Dichloropropane	6.796	63	24427	1.977	ug/l	98
39) Methacrylonitrile	4.983	41	7520	1.850	ug/l	95
40) Methyl acrylate	4.858	55	12165	1.797	ug/l #	93
41) Tetrahydrofuran	5.073	42	8180	3.520	ug/l	95
42) 1-Chlorobutane	5.465	56	45856	1.938	ug/l	97
43) Dibromomethane	6.925	93	11930	1.946	ug/l	98
44) Bromodichloromethane	7.112	83	30438	1.990	ug/l	98

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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	73797	8.813 ug/l		99
46) t-1,4-Dichloro-2-butene	10.838	75	10365m	3.515 ug/l		
47) Methyl methacrylate	6.967	69	22609	3.635 ug/l		97
48) Ethyl methacrylate	8.340	69	22080	1.797 ug/l		100
49) Toluene	7.973	92	57825	1.972 ug/l		98
50) t-1,3-Dichloropropene	8.214	75	28256	1.887 ug/l		100
51) cis-1,3-Dichloropropene	7.613	75	33973	1.942 ug/l		99
52) 1,1,2-Trichloroethane	8.404	97	16876	1.909 ug/l		98
53) 1,3-Dichloropropane	8.581	76	31249	1.897 ug/l		100
54) 2-Hexanone	8.693	43	55994	8.656 ug/l		98
55) Dibromochloromethane	8.816	129	17750	1.911 ug/l		97
56) 1,2-Dibromoethane	8.928	107	15116	1.816 ug/l		94
58) Tetrachloroethene	8.558	164	21518	2.061 ug/l		96
59) Chlorobenzene	9.452	112	60653	1.998 ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.539	131	19602	1.941 ug/l		99
61) Pentachloroethane	11.430	117	14987	2.040 ug/l		95
62) Hexachloroethane	12.481	117	14960	1.938 ug/l		100
63) Ethyl Benzene	9.574	91	106451	1.951 ug/l		99
64) m/p-Xylenes	9.697	106	81537	3.938 ug/l		98
65) o-Xylene	10.105	106	40131	1.984 ug/l		99
66) Styrene	10.118	104	64314	1.945 ug/l		99
67) Bromoform	10.295	173	8633	1.776 ug/l		98
69) Isopropylbenzene	10.488	105	105213	1.981 ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.787	83	20786	1.829 ug/l		99
71) 1,2,3-Trichloropropane	10.828	75	16859m	1.801 ug/l		
72) Bromobenzene	10.787	156	23684	2.019 ug/l		97
73) n-propylbenzene	10.909	120	28187	2.028 ug/l		98
74) 2-Chlorotoluene	10.989	126	23995	2.001 ug/l		97
75) 1,3,5-Trimethylbenzene	11.092	105	90089	2.033 ug/l		99
76) 4-Chlorotoluene	11.102	126	24675	2.011 ug/l		98
77) tert-Butylbenzene	11.423	119	84876	1.973 ug/l		99
78) 1,2,4-Trimethylbenzene	11.472	105	90141	1.993 ug/l		98
79) sec-Butylbenzene	11.648	105	117557	1.982 ug/l		100
80) Nitrobenzene	13.214	77	2499	7.725 ug/l	#	93
81) p-Isopropyltoluene	11.796	119	93945	1.975 ug/l		99
82) 1,3-Dichlorobenzene	11.751	146	46017	1.964 ug/l		99
83) 1,4-Dichlorobenzene	11.841	146	45059	1.944 ug/l		99
84) n-Butylbenzene	12.214	91	88398	1.950 ug/l		98
85) 1,2-Dichlorobenzene	12.217	146	43677	1.962 ug/l		99
86) 1,2-Dibromo-3-Chloropr...	13.002	75	3386	1.794 ug/l		96
87) 1,2,4-Trichlorobenzene	13.844	180	25558	1.863 ug/l		98
88) Hexachlorobutadiene	14.024	225	12657	1.972 ug/l		98
89) Naphthalene	14.089	128	44128	1.637 ug/l		99
90) 1,2,3-Trichlorobenzene	14.333	180	23347	1.832 ug/l		99

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

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