Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070821\
Data File : VU044333.D
Acq On : 08 Jul 2021 20:34
Operator : SY/MD
Sample : M2940-08 0.5 PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2021

Manual Integrations APPROVED
MMDadoda
7/13/2021 4:04:56 PM

Quant Time: Jul 09 06:07:00 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070721DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 09 06:04:31 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.124	96	23451	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.642	95	10166	0.978	ug/l		0.00
Spiked Amount 1.000			Recovery =	98.000%			
68) 1,2-Dichlorobenzene-d4	12.198	152	9973	0.963	ug/l		0.00
Spiked Amount 1.000			Recovery =	96.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.388	85	4042	0.498	ug/l		97
3) Chloromethane	1.523	50	4704	0.601	ug/l		95
4) Vinyl Chloride	1.610	62	4495	0.547	ug/l		95
5) Bromomethane	1.864	94	3184	0.650	ug/l		96
6) Chloroethane	1.941	64	3131	0.571	ug/l		95
7) Trichlorofluoromethane	2.147	101	6791	0.545	ug/l		94
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	3792	0.528	ug/l		98
9) 1,1-Dichloroethene	2.591	96	3403	0.543	ug/l		95
10) Iodomethane	2.732	142	3988	0.604	ug/l		98
11) Allyl Chloride	2.932	41	5848	0.525	ug/l		99
12) Acrylonitrile	3.327	53	1527	1.087	ug/l		87
13) Acetone	2.639	43	3253	3.492	ug/l	#	85
14) Carbon Disulfide	2.803	76	8736	0.515	ug/l		100
15) Methylene Chloride	3.057	84	7514	0.659	ug/l		95
16) trans-1,2-Dichloroethene	3.363	96	3838	0.553	ug/l		99
17) 1,1-Dichloroethane	3.880	63	7464	0.533	ug/l		96
18) 2-Butanone	4.739	43	4481	2.451	ug/l		95
19) Cyclohexane	5.391	56	6695	0.597	ug/l		93
20) Methylcyclohexane	6.768	83	5644	0.490	ug/l		98
21) 2,2-Dichloropropane	4.671	77	7467	0.548	ug/l		95
22) cis-1,2-Dichloroethene	4.681	96	4417	0.540	ug/l		98
23) Diethyl Ether	2.385	59	2610	0.499	ug/l	#	85
24) tert-Butyl Alcohol	3.202	59	4685	11.647	ug/l	#	78
25) Methyl tert-Butyl Ether	3.382	73	10583	0.549	ug/l		93
26) Bromochloromethane	4.989	128	1925	0.538	ug/l		99
27) Chloroform	5.102	83	8667	0.585	ug/l		93
28) 1,1,1-Trichloroethane	5.324	97	7076	0.541	ug/l		96
29) 1,1-Dichloropropene	5.533	75	5068	0.531	ug/l		99
30) Carbon Tetrachloride	5.530	117	5000	0.496	ug/l		96
31) Isopropyl Ether	4.018	45	13710	0.572	ug/l		99
32) Ethyl-t-butyl ether	4.526	59	12491	0.540	ug/l		99
33) Tert-Amyl methyl ether	5.964	73	9255	0.496	ug/l		98
34) Propionitrile	4.806	54	1108	2.391	ug/l	#	83
35) Benzene	5.780	78	14100	0.534	ug/l		96
36) 1,2-Dichloroethane	5.809	62	4232	0.491	ug/l	#	90
37) Trichloroethene	6.549	130	3888	0.528	ug/l		95
38) 1,2-Dichloropropane	6.803	63	3838	0.522	ug/l		95
39) Methacrylonitrile	4.989	41	1602m	0.556	ug/l		
40) Methyl acrylate	4.864	55	2741	0.683	ug/l	#	86
41) Tetrahydrofuran	5.083	42	1354	1.128	ug/l		99
42) 1-Chlorobutane	5.465	56	6927	0.524	ug/l		94
43) Dibromomethane	6.928	93	1968	0.508	ug/l		96
44) Bromodichloromethane	7.115	83	4884	0.497	ug/l		96

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 09 06:04:31 2021
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.813	43	14492	2.614	ug/l		95
46) t-1,4-Dichloro-2-butene	10.838	75	2181m	1.005	ug/l		
47) Methyl methacrylate	6.980	69	3989	1.005	ug/l	#	94
48) Ethyl methacrylate	8.349	69	3966	0.467	ug/l		89
49) Toluene	7.976	92	8902	0.513	ug/l		97
50) t-1,3-Dichloropropene	8.221	75	4378	0.438	ug/l		98
51) cis-1,3-Dichloropropene	7.616	75	5339	0.470	ug/l		97
52) 1,1,2-Trichloroethane	8.407	97	2710	0.504	ug/l		96
53) 1,3-Dichloropropane	8.584	76	5062	0.512	ug/l		97
54) 2-Hexanone	8.706	43	10267	2.545	ug/l		98
55) Dibromochloromethane	8.819	129	3214	0.464	ug/l		97
56) 1,2-Dibromoethane	8.935	107	3017	0.561	ug/l		98
58) Tetrachloroethene	8.558	164	3584	0.527	ug/l		96
59) Chlorobenzene	9.456	112	10350	0.527	ug/l		96
60) 1,1,1,2-Tetrachloroethane	9.542	131	3408	0.464	ug/l		95
61) Pentachloroethane	11.433	117	2563	0.461	ug/l		96
62) Hexachloroethane	12.481	117	2727	0.433	ug/l		98
63) Ethyl Benzene	9.578	91	17132	0.493	ug/l		97
64) m/p-Xylenes	9.700	106	13199	0.979	ug/l		98
65) o-Xylene	10.108	106	6433	0.488	ug/l		100
66) Styrene	10.121	104	10753	0.475	ug/l		97
67) Bromoform	10.301	173	1904	0.476	ug/l	#	96
69) Isopropylbenzene	10.491	105	18050	0.501	ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.790	83	3649	0.505	ug/l	#	96
71) 1,2,3-Trichloropropane	10.832	75	2964m	0.520	ug/l		
72) Bromobenzene	10.790	156	4274	0.508	ug/l		98
73) n-propylbenzene	10.912	120	4947	0.500	ug/l		95
74) 2-Chlorotoluene	10.992	126	4331	0.508	ug/l		94
75) 1,3,5-Trimethylbenzene	11.095	105	14791	0.479	ug/l		100
76) 4-Chlorotoluene	11.105	126	4455	0.497	ug/l		99
77) tert-Butylbenzene	11.427	119	15060	0.485	ug/l		97
78) 1,2,4-Trimethylbenzene	11.475	105	14845	0.475	ug/l		98
79) sec-Butylbenzene	11.652	105	19645	0.478	ug/l		98
80) Nitrobenzene	13.233	77	280m	0.946	ug/l		
81) p-Isopropyltoluene	11.799	119	16205	0.466	ug/l		98
82) 1,3-Dichlorobenzene	11.754	146	8707	0.508	ug/l		98
83) 1,4-Dichlorobenzene	11.844	146	8647	0.508	ug/l		99
84) n-Butylbenzene	12.214	91	15178	0.456	ug/l		97
85) 1,2-Dichlorobenzene	12.221	146	8075	0.497	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	13.002	75	617	0.449	ug/l		92
87) 1,2,4-Trichlorobenzene	13.851	180	5519	0.474	ug/l		98
88) Hexachlorobutadiene	14.028	225	2888	0.483	ug/l		97
89) Naphthalene	14.095	128	10303	0.461	ug/l		98
90) 1,2,3-Trichlorobenzene	14.336	180	5058	0.491	ug/l		99

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

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