Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071621\
Data File : VU044347.D
Acq On : 16 Jul 2021 11:03
Operator : SY/MD
Sample : VSTDICC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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7/19/2021 5:54:44 PM

Quant Time: Jul 16 12:35:30 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071621DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 16 12:32:27 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.121	96	52002	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.639	95	20777	0.991	ug/l		0.00
Spiked Amount 1.000			Recovery =	99.000%			
68) 1,2-Dichlorobenzene-d4	12.198	152	20340	0.981	ug/l		0.00
Spiked Amount 1.000			Recovery =	98.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.388	85	35763	1.895	ug/l		99
3) Chloromethane	1.523	50	38848	1.924	ug/l		100
4) Vinyl Chloride	1.607	62	39533	1.906	ug/l		99
5) Bromomethane	1.861	94	19423	1.762	ug/l		97
6) Chloroethane	1.938	64	23051	1.933	ug/l		97
7) Trichlorofluoromethane	2.144	101	41670	1.837	ug/l		96
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	26208	1.832	ug/l		98
9) 1,1-Dichloroethene	2.588	96	25765	1.865	ug/l		95
10) Iodomethane	2.729	142	32915	1.727	ug/l		88
11) Allyl Chloride	2.932	41	41858	1.837	ug/l		84
12) Acrylonitrile	3.327	53	10766	3.053	ug/l	#	92
13) Acetone	2.636	43	14036	7.998	ug/l		90
14) Carbon Disulfide	2.800	76	84735	1.835	ug/l		99
15) Methylene Chloride	3.054	84	35657	2.160	ug/l		94
16) trans-1,2-Dichloroethene	3.359	96	29050	1.911	ug/l		97
17) 1,1-Dichloroethane	3.880	63	54477	1.918	ug/l		99
18) 2-Butanone	4.732	43	33132	8.746	ug/l		95
19) Cyclohexane	5.388	56	49062	1.881	ug/l		99
20) Methylcyclohexane	6.767	83	51396	1.832	ug/l		98
21) 2,2-Dichloropropane	4.671	77	43850	1.866	ug/l		96
22) cis-1,2-Dichloroethene	4.678	96	32265	1.922	ug/l		91
23) Diethyl Ether	2.385	59	22022	1.881	ug/l		97
24) tert-Butyl Alcohol	3.205	59	13109	18.041	ug/l	#	90
25) Methyl tert-Butyl Ether	3.379	73	72956	1.873	ug/l		91
26) Bromochloromethane	4.983	128	13345	1.925	ug/l		98
27) Chloroform	5.099	83	52989	1.960	ug/l		98
28) 1,1,1-Trichloroethane	5.321	97	43546	1.893	ug/l		98
29) 1,1-Dichloropropene	5.530	75	40700	1.830	ug/l		99
30) Carbon Tetrachloride	5.530	117	36115	1.872	ug/l		99
31) Isopropyl Ether	4.012	45	89639	1.858	ug/l		95
32) Ethyl-t-butyl ether	4.523	59	87873	1.848	ug/l		98
33) Tert-Amyl methyl ether	5.960	73	82811	2.000	ug/l		96
34) Propionitrile	4.800	54	8236	8.097	ug/l	#	93
35) Benzene	5.780	78	122201	1.926	ug/l		98
36) 1,2-Dichloroethane	5.806	62	35551	1.988	ug/l		99
37) Trichloroethene	6.549	130	30491	1.889	ug/l		95
38) 1,2-Dichloropropane	6.803	63	32509	1.927	ug/l		99
39) Methacrylonitrile	4.993	41	9748	1.727	ug/l		92
40) Methyl acrylate	4.864	55	15435	1.743	ug/l		97
41) Tetrahydrofuran	5.079	42	9784	3.720	ug/l		96
42) 1-Chlorobutane	5.465	56	58735	1.912	ug/l		93
43) Dibromomethane	6.928	93	15645	1.844	ug/l		97
44) Bromodichloromethane	7.115	83	37340	1.862	ug/l		98

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 16 12:32:27 2021
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	4-Methyl-2-Pentanone	7.809	43	106937	9.257	ug/l		95
46)	t-1,4-Dichloro-2-butene	10.841	75	16834m	3.238	ug/l		
47)	Methyl methacrylate	6.976	69	34950	3.748	ug/l	#	90
48)	Ethyl methacrylate	8.346	69	35541	1.837	ug/l		92
49)	Toluene	7.976	92	75397	1.847	ug/l		98
50)	t-1,3-Dichloropropene	8.221	75	37858	1.753	ug/l		99
51)	cis-1,3-Dichloropropene	7.616	75	44821	1.789	ug/l		95
52)	1,1,2-Trichloroethane	8.410	97	23868	1.949	ug/l		98
53)	1,3-Dichloropropane	8.584	76	43107	1.909	ug/l		99
54)	2-Hexanone	8.700	43	76886	9.310	ug/l		94
55)	Dibromochloromethane	8.819	129	24750	1.811	ug/l		100
56)	1,2-Dibromoethane	8.935	107	22672	1.873	ug/l		100
58)	Tetrachloroethene	8.558	164	26126	1.890	ug/l		99
59)	Chlorobenzene	9.455	112	79571	1.845	ug/l		99
60)	1,1,1,2-Tetrachloroethane	9.542	131	26306	1.813	ug/l		98
61)	Pentachloroethane	11.436	117	21257	1.837	ug/l		93
62)	Hexachloroethane	12.481	117	21515	1.727	ug/l		98
63)	Ethyl Benzene	9.578	91	141677	1.821	ug/l		100
64)	m/p-Xylenes	9.700	106	109456	3.683	ug/l		98
65)	o-Xylene	10.108	106	53301	1.854	ug/l		98
66)	Styrene	10.121	104	89536	1.796	ug/l		98
67)	Bromoform	10.298	173	13858	1.737	ug/l		98
69)	Isopropylbenzene	10.491	105	140976	1.835	ug/l		98
70)	1,1,2,2-Tetrachloroethane	10.790	83	31265	1.899	ug/l		99
71)	1,2,3-Trichloropropane	10.835	75	26099m	1.866	ug/l		
72)	Bromobenzene	10.790	156	32799	1.882	ug/l		95
73)	n-propylbenzene	10.912	120	37937	1.805	ug/l		95
74)	2-Chlorotoluene	10.992	126	33117	1.916	ug/l		98
75)	1,3,5-Trimethylbenzene	11.095	105	119739	1.848	ug/l		99
76)	4-Chlorotoluene	11.105	126	33752	1.877	ug/l		98
77)	tert-Butylbenzene	11.426	119	115463	1.818	ug/l		100
78)	1,2,4-Trimethylbenzene	11.475	105	120518	1.810	ug/l		99
79)	sec-Butylbenzene	11.648	105	159011	1.831	ug/l		98
80)	Nitrobenzene	13.217	77	4147	7.670	ug/l		98
81)	p-Isopropyltoluene	11.799	119	130452	1.800	ug/l		99
82)	1,3-Dichlorobenzene	11.751	146	64994	1.884	ug/l		99
83)	1,4-Dichlorobenzene	11.844	146	65299	1.880	ug/l		100
84)	n-Butylbenzene	12.214	91	127117	1.754	ug/l		100
85)	1,2-Dichlorobenzene	12.221	146	62377	1.867	ug/l		99
86)	1,2-Dibromo-3-Chloropr...	13.005	75	5473	1.817	ug/l		96
87)	1,2,4-Trichlorobenzene	13.848	180	43162	1.739	ug/l		98
88)	Hexachlorobutadiene	14.028	225	21380	1.810	ug/l		99
89)	Naphthalene	14.092	128	85300	1.683	ug/l		99
90)	1,2,3-Trichlorobenzene	14.336	180	39282	1.757	ug/l		99

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

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