Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070721\
Data File : VU044313.D
Acq On : 07 Jul 2021 12:34
Operator : SY/MD
Sample : VSTDICC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 08 01:15:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070721DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 08 01:14:30 2021
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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7/9/2021 6:26:37 PM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.121	96	30781	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	13428	1.218	ug/l	0.00
Spiked Amount 1.000			Recovery = 122.000%			
68) 1,2-Dichlorobenzene-d4	12.198	152	13444	1.141	ug/l	0.00
Spiked Amount 1.000			Recovery = 114.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.391	85	22413	1.784	ug/l	100
3) Chloromethane	1.527	50	21124	1.577	ug/l	99
4) Vinyl Chloride	1.610	62	22639	1.765	ug/l	98
5) Bromomethane	1.864	94	13538	1.755	ug/l	97
6) Chloroethane	1.941	64	14890	1.863	ug/l	98
7) Trichlorofluoromethane	2.147	101	35073	2.328	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	20150	2.317	ug/l	98
9) 1,1-Dichloroethene	2.591	96	17301	2.133	ug/l	99
10) Iodomethane	2.732	142	16264	1.626	ug/l	99
11) Allyl Chloride	2.932	41	30914	2.335	ug/l	99
12) Acrylonitrile	3.330	53	7731	4.717	ug/l	96
13) Acetone	2.639	43	12536	11.975	ug/l	99
14) Carbon Disulfide	2.803	76	47283	1.758	ug/l	98
15) Methylene Chloride	3.054	84	28896	2.354	ug/l	99
16) trans-1,2-Dichloroethene	3.362	96	18963	2.115	ug/l	99
17) 1,1-Dichloroethane	3.880	63	38857	2.240	ug/l	98
18) 2-Butanone	4.735	43	24499	11.810	ug/l	100
19) Cyclohexane	5.388	56	31564	1.979	ug/l	98
20) Methylcyclohexane	6.767	83	31910	2.446	ug/l	99
21) 2,2-Dichloropropane	4.674	77	37920	2.654	ug/l	99
22) cis-1,2-Dichloroethene	4.678	96	22622	2.348	ug/l	98
23) Diethyl Ether	2.385	59	14743	2.224	ug/l	99
24) tert-Butyl Alcohol	3.202	59	12383	17.712	ug/l #	83
25) Methyl tert-Butyl Ether	3.382	73	52761	2.512	ug/l	100
26) Bromochloromethane	4.983	128	9864	2.488	ug/l	97
27) Chloroform	5.099	83	40702	2.382	ug/l	98
28) 1,1,1-Trichloroethane	5.321	97	36162	2.474	ug/l	99
29) 1,1-Dichloropropene	5.530	75	26558	2.036	ug/l	99
30) Carbon Tetrachloride	5.530	117	27876	2.235	ug/l	98
31) Isopropyl Ether	4.012	45	66829	2.399	ug/l	99
32) Ethyl-t-butyl ether	4.523	59	63438	2.493	ug/l	96
33) Tert-Amyl methyl ether	5.960	73	50233	2.555	ug/l	98
34) Propionitrile	4.796	54	6244	11.582	ug/l #	93
35) Benzene	5.780	78	73245	1.944	ug/l	98
36) 1,2-Dichloroethane	5.806	62	23792	2.109	ug/l	99
37) Trichloroethene	6.552	130	20672	2.298	ug/l	99
38) 1,2-Dichloropropane	6.803	63	20942	2.096	ug/l	95
39) Methacrylonitrile	4.993	41	8266	2.636	ug/l	93
40) Methyl acrylate	4.864	55	11096	2.309	ug/l	99
41) Tetrahydrofuran	5.079	42	6414	4.338	ug/l	98
42) 1-Chlorobutane	5.465	56	36592	1.959	ug/l	98
43) Dibromomethane	6.928	93	10806	2.164	ug/l	99
44) Bromodichloromethane	7.115	83	27350	2.192	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.812	43	76668	13.397	ug/l	100
46) t-1,4-Dichloro-2-butene	10.841	75	12232m	4.812	ug/l	
47) Methyl methacrylate	6.976	69	22348	5.189	ug/l	95
48) Ethyl methacrylate	8.346	69	23591	2.915	ug/l	100
49) Toluene	7.976	92	48138	2.285	ug/l	100
50) t-1,3-Dichloropropene	8.221	75	27259	2.460	ug/l	94
51) cis-1,3-Dichloropropene	7.616	75	31558	2.536	ug/l	96
52) 1,1,2-Trichloroethane	8.410	97	14567	2.039	ug/l	97
53) 1,3-Dichloropropane	8.584	76	26938	2.139	ug/l	100
54) 2-Hexanone	8.703	43	56554	14.218	ug/l	98
55) Dibromochloromethane	8.819	129	18938	2.348	ug/l	98
56) 1,2-Dibromoethane	8.935	107	14899	2.307	ug/l	99
58) Tetrachloroethene	8.558	164	19421	2.345	ug/l	98
59) Chlorobenzene	9.452	112	54348	2.403	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.542	131	20223	2.355	ug/l	99
61) Pentachloroethane	11.433	117	15141	2.177	ug/l	95
62) Hexachloroethane	12.481	117	16606	2.360	ug/l	100
63) Ethyl Benzene	9.578	91	95468	2.567	ug/l	99
64) m/p-Xylenes	9.700	106	75050	5.133	ug/l	98
65) o-Xylene	10.108	106	36201	2.633	ug/l	100
66) Styrene	10.121	104	61992	2.570	ug/l	99
67) Bromoform	10.301	173	10809	2.410	ug/l	99
69) Isopropylbenzene	10.491	105	98889	2.690	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.790	83	19456	2.062	ug/l	98
71) 1,2,3-Trichloropropane	10.835	75	16158m	2.279	ug/l	
72) Bromobenzene	10.790	156	23302	2.501	ug/l	100
73) n-propylbenzene	10.912	120	26680	2.609	ug/l	95
74) 2-Chlorotoluene	10.992	126	23443	2.563	ug/l	97
75) 1,3,5-Trimethylbenzene	11.095	105	84549	2.590	ug/l	99
76) 4-Chlorotoluene	11.105	126	24780	2.520	ug/l	96
77) tert-Butylbenzene	11.426	119	84578	2.662	ug/l	99
78) 1,2,4-Trimethylbenzene	11.475	105	85366	2.557	ug/l	100
79) sec-Butylbenzene	11.652	105	113503	2.580	ug/l	99
80) Nitrobenzene	13.214	77	3477	11.576	ug/l	94
81) p-Isopropyltoluene	11.799	119	94857	2.644	ug/l	100
82) 1,3-Dichlorobenzene	11.751	146	47602	2.373	ug/l	99
83) 1,4-Dichlorobenzene	11.844	146	46502	2.329	ug/l	98
84) n-Butylbenzene	12.214	91	87877	2.472	ug/l	99
85) 1,2-Dichlorobenzene	12.221	146	45044	2.360	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.002	75	3741	2.514	ug/l	98
87) 1,2,4-Trichlorobenzene	13.848	180	31868	2.724	ug/l	96
88) Hexachlorobutadiene	14.028	225	16492	2.262	ug/l	99
89) Naphthalene	14.095	128	57739	2.779	ug/l	100
90) 1,2,3-Trichlorobenzene	14.336	180	28188	2.554	ug/l	98

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

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