Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072221\
Data File : VU044389.D
Acq On : 22 Jul 2021 14:13
Operator : SY/MD
Sample : M2940-09 0.4PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2021

Manual Integrations APPROVED
MMDadoda
7/28/2021 11:09:12 AM

Quant Time: Jul 23 03:30:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071621DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 16 14:36:39 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.121	96	48681	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	18080	0.920	ug/l	0.00
Spiked Amount 1.000			Recovery =	92.000%		
68) 1,2-Dichlorobenzene-d4	12.201	152	18426	0.962	ug/l	0.00
Spiked Amount 1.000			Recovery =	96.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	6158	0.362	ug/l	96
3) Chloromethane	1.523	50	6981	0.378	ug/l	98
4) Vinyl Chloride	1.610	62	7377	0.395	ug/l	100
5) Bromomethane	1.864	94	4242	0.426	ug/l	100
6) Chloroethane	1.941	64	4133	0.364	ug/l	89
7) Trichlorofluoromethane	2.147	101	8236	0.408	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	5234	0.411	ug/l	96
9) 1,1-Dichloroethene	2.591	96	5002	0.402	ug/l	89
10) Iodomethane	2.732	142	5989	0.368	ug/l	87
11) Allyl Chloride	2.932	41	8051	0.393	ug/l	87
12) Acrylonitrile	3.330	53	2289	0.803	ug/l #	85
13) Acetone	2.636	43	3100	2.182	ug/l	98
14) Carbon Disulfide	2.800	76	15513	0.377	ug/l	97
15) Methylene Chloride	3.054	84	22269	1.262	ug/l	93
16) trans-1,2-Dichloroethene	3.362	96	5233	0.377	ug/l	92
17) 1,1-Dichloroethane	3.880	63	10603	0.411	ug/l	99
18) 2-Butanone	4.735	43	5356	1.758	ug/l	88
19) Cyclohexane	5.391	56	9702	0.411	ug/l	95
20) Methylcyclohexane	6.767	83	8271	0.336	ug/l	92
21) 2,2-Dichloropropane	4.678	77	9480	0.448	ug/l	97
22) cis-1,2-Dichloroethene	4.678	96	6237	0.412	ug/l	93
23) Diethyl Ether	2.385	59	4161	0.399	ug/l	98
24) tert-Butyl Alcohol	3.211	59	1950m	3.150	ug/l	
25) Methyl tert-Butyl Ether	3.379	73	13765	0.397	ug/l	97
26) Bromochloromethane	4.986	128	2547	0.397	ug/l	92
27) Chloroform	5.099	83	11076	0.443	ug/l	98
28) 1,1,1-Trichloroethane	5.324	97	8700	0.417	ug/l	97
29) 1,1-Dichloropropene	5.533	75	7624	0.385	ug/l	96
30) Carbon Tetrachloride	5.526	117	6401	0.368	ug/l	92
31) Isopropyl Ether	4.012	45	18571	0.432	ug/l	93
32) Ethyl-t-butyl ether	4.523	59	16610	0.392	ug/l	97
33) Tert-Amyl methyl ether	5.964	73	13298	0.353	ug/l	99
34) Propionitrile	4.806	54	1580	1.832	ug/l #	71
35) Benzene	5.780	78	21392	0.372	ug/l	99
36) 1,2-Dichloroethane	5.809	62	6307	0.382	ug/l #	95
37) Trichloroethene	6.549	130	5485	0.379	ug/l	96
38) 1,2-Dichloropropane	6.800	63	5511	0.362	ug/l	99
39) Methacrylonitrile	4.996	41	1811	0.368	ug/l #	75
40) Methyl acrylate	4.864	55	3235	0.423	ug/l #	88
41) Tetrahydrofuran	5.086	42	1818	0.779	ug/l	95
42) 1-Chlorobutane	5.465	56	11030	0.394	ug/l	94
43) Dibromomethane	6.931	93	2605	0.345	ug/l	96
44) Bromodichloromethane	7.115	83	6383	0.356	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.812	43	18592	1.811	ug/l		98
46) t-1,4-Dichloro-2-butene	10.845	75	2343m	0.539	ug/l		
47) Methyl methacrylate	6.980	69	5302	0.635	ug/l	#	89
48) Ethyl methacrylate	8.349	69	5803	0.336	ug/l		98
49) Toluene	7.976	92	12741	0.352	ug/l		96
50) t-1,3-Dichloropropene	8.221	75	5786	0.311	ug/l		99
51) cis-1,3-Dichloropropene	7.620	75	7318	0.333	ug/l		93
52) 1,1,2-Trichloroethane	8.411	97	4262	0.383	ug/l		94
53) 1,3-Dichloropropane	8.587	76	7775	0.380	ug/l		100
54) 2-Hexanone	8.706	43	13164	1.803	ug/l		95
55) Dibromochloromethane	8.822	129	3892	0.323	ug/l		95
56) 1,2-Dibromoethane	8.935	107	3945	0.363	ug/l		100
58) Tetrachloroethene	8.558	164	4686	0.382	ug/l		95
59) Chlorobenzene	9.455	112	13885	0.363	ug/l		94
60) 1,1,1,2-Tetrachloroethane	9.546	131	4635	0.363	ug/l		97
61) Pentachloroethane	11.433	117	3462	0.340	ug/l	#	80
62) Hexachloroethane	12.484	117	3281	0.308	ug/l		97
63) Ethyl Benzene	9.578	91	23312	0.341	ug/l		100
64) m/p-Xylenes	9.700	106	17495	0.669	ug/l		98
65) o-Xylene	10.108	106	8861	0.351	ug/l		96
66) Styrene	10.121	104	14388	0.331	ug/l		99
67) Bromoform	10.298	173	2000	0.296	ug/l	#	94
69) Isopropylbenzene	10.491	105	23436	0.347	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.793	83	5219	0.355	ug/l	#	97
71) 1,2,3-Trichloropropane	10.838	75	4101m	0.326	ug/l		
72) Bromobenzene	10.793	156	5412	0.346	ug/l		86
73) n-propylbenzene	10.912	120	6296	0.346	ug/l		94
74) 2-Chlorotoluene	10.992	126	5646	0.362	ug/l		97
75) 1,3,5-Trimethylbenzene	11.095	105	18929	0.332	ug/l		99
76) 4-Chlorotoluene	11.108	126	5900	0.364	ug/l		99
77) tert-Butylbenzene	11.426	119	18761	0.336	ug/l		98
78) 1,2,4-Trimethylbenzene	11.475	105	18943	0.327	ug/l		99
79) sec-Butylbenzene	11.652	105	25972	0.341	ug/l		98
80) Nitrobenzene	13.221	77	505	1.152	ug/l	#	46
81) p-Isopropyltoluene	11.803	119	20774	0.329	ug/l		98
82) 1,3-Dichlorobenzene	11.754	146	11358	0.366	ug/l		98
83) 1,4-Dichlorobenzene	11.844	146	11755	0.375	ug/l		98
84) n-Butylbenzene	12.217	91	21242	0.344	ug/l		97
85) 1,2-Dichlorobenzene	12.221	146	11190	0.372	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	13.005	75	849	0.334	ug/l	#	77
87) 1,2,4-Trichlorobenzene	13.851	180	7191	0.338	ug/l		97
88) Hexachlorobutadiene	14.028	225	3617	0.351	ug/l		94
89) Naphthalene	14.095	128	13354	0.314	ug/l		99
90) 1,2,3-Trichlorobenzene	14.336	180	6494	0.336	ug/l		98

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

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