Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060421\
Data File : VU044050.D
Acq On : 04 Jun 2021 14:09
Operator : SY/MD
Sample : M2262-09 0.8PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT2-2021

Manual Integrations APPROVED

SAM
6/9/2021 7:00:30 PM

Quant Time: Jun 07 02:42:39 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060221DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Jun 07 02:40:07 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.124	96	15291	1.000	ug/l	#	0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.642	95	4639	0.873	ug/l		0.00
Spiked Amount 1.000			Recovery =	87.000%			
68) 1,2-Dichlorobenzene-d4	12.201	152	5193	0.916	ug/l		0.00
Spiked Amount 1.000			Recovery =	92.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.391	85	5458	0.848	ug/l		99
3) Chloromethane	1.527	50	6151	0.886	ug/l		97
4) Vinyl Chloride	1.610	62	5337	0.815	ug/l		98
5) Bromomethane	1.864	94	3243	0.831	ug/l		97
6) Chloroethane	1.941	64	3333	0.834	ug/l		98
7) Trichlorofluoromethane	2.147	101	6222	0.846	ug/l		100
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	3567	0.841	ug/l		98
9) 1,1-Dichloroethene	2.591	96	3401	0.849	ug/l		98
10) Iodomethane	2.732	142	3735	0.724	ug/l		99
11) Allyl Chloride	2.935	41	5373	0.832	ug/l		98
12) Acrylonitrile	3.330	53	1504	1.841	ug/l	#	86
13) Acetone	2.639	43	2151	4.179	ug/l		88
14) Carbon Disulfide	2.803	76	11349	0.822	ug/l		98
15) Methylene Chloride	3.054	84	4862	0.808	ug/l		98
16) trans-1,2-Dichloroethene	3.362	96	3629	0.820	ug/l		97
17) 1,1-Dichloroethane	3.883	63	7064	0.830	ug/l		100
18) 2-Butanone	4.739	43	4596	4.477	ug/l		92
19) Cyclohexane	5.388	56	6353m	0.787	ug/l		
20) Methylcyclohexane	6.771	83	4217	0.653	ug/l		94
21) 2,2-Dichloropropane	4.674	77	5906	0.875	ug/l		96
22) cis-1,2-Dichloroethene	4.681	96	3883	0.822	ug/l		98
23) Diethyl Ether	2.388	59	2671	0.815	ug/l		97
24) tert-Butyl Alcohol	3.205	59	1581	4.142	ug/l	#	75
25) Methyl tert-Butyl Ether	3.385	73	8146	0.809	ug/l	#	91
26) Bromochloromethane	4.989	128	1498	0.784	ug/l		92
27) Chloroform	5.105	83	7111	0.857	ug/l		96
28) 1,1,1-Trichloroethane	5.324	97	5729	0.817	ug/l		97
29) 1,1-Dichloropropene	5.530	75	5070	0.773	ug/l		96
30) Carbon Tetrachloride	5.530	117	4981	0.815	ug/l		94
31) Isopropyl Ether	4.018	45	11160	0.826	ug/l		97
32) Ethyl-t-butyl ether	4.530	59	9832	0.811	ug/l		99
33) Tert-Amyl methyl ether	5.964	73	6910	0.736	ug/l		96
34) Propionitrile	4.803	54	1242	4.544	ug/l	#	1
35) Benzene	5.780	78	15128	0.794	ug/l		98
36) 1,2-Dichloroethane	5.809	62	4635	0.832	ug/l		96
37) Trichloroethene	6.552	130	3534	0.801	ug/l		90
38) 1,2-Dichloropropane	6.803	63	3649	0.725	ug/l		93
39) Methacrylonitrile	5.002	41	1337	0.880	ug/l	#	85
40) Methyl acrylate	4.870	55	2100	0.861	ug/l	#	84
41) Tetrahydrofuran	5.083	42	1245	1.635	ug/l	#	85
42) 1-Chlorobutane	5.462	56	7812	0.826	ug/l		98
43) Dibromomethane	6.931	93	1884	0.762	ug/l		96
44) Bromodichloromethane	7.118	83	5077	0.824	ug/l		98

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.816	43	8905	3.253 ug/l #	92
46) t-1,4-Dichloro-2-butene	10.844	75	1408m	1.157 ug/l	
47) Methyl methacrylate	6.980	69	2619	1.248 ug/l	94
48) Ethyl methacrylate	8.349	69	2341	0.613 ug/l	97
49) Toluene	7.976	92	6623	0.629 ug/l	100
50) t-1,3-Dichloropropene	8.221	75	3595	0.673 ug/l	92
51) cis-1,3-Dichloropropene	7.620	75	4350	0.724 ug/l	98
52) 1,1,2-Trichloroethane	8.414	97	2752	0.773 ug/l	96
53) 1,3-Dichloropropane	8.587	76	4671	0.748 ug/l	100
54) 2-Hexanone	8.706	43	6183	3.265 ug/l	86
55) Dibromochloromethane	8.822	129	3100	0.796 ug/l	94
56) 1,2-Dibromoethane	8.935	107	2417	0.766 ug/l	97
58) Tetrachloroethene	8.562	164	3296	0.805 ug/l	93
59) Chlorobenzene	9.455	112	7519	0.680 ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.542	131	3195	0.762 ug/l	98
61) Pentachloroethane	11.436	117	2633	0.776 ug/l	94
62) Hexachloroethane	12.484	117	2602	0.773 ug/l	95
63) Ethyl Benzene	9.578	91	10441	0.572 ug/l	99
64) m/p-Xylenes	9.703	106	7860	1.086 ug/l	98
65) o-Xylene	10.108	106	3868	0.576 ug/l	98
66) Styrene	10.124	104	6490	0.547 ug/l	99
67) Bromoform	10.301	173	1576	0.738 ug/l #	97
69) Isopropylbenzene	10.491	105	10112	0.567 ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.790	83	3980	0.852 ug/l #	91
71) 1,2,3-Trichloropropane	10.835	75	2781m	0.788 ug/l	
72) Bromobenzene	10.790	156	3014	0.670 ug/l	96
73) n-propylbenzene	10.915	120	2747	0.550 ug/l	90
74) 2-Chlorotoluene	10.992	126	2719	0.607 ug/l	93
75) 1,3,5-Trimethylbenzene	11.095	105	8747	0.546 ug/l	99
76) 4-Chlorotoluene	11.105	126	2966	0.612 ug/l	94
77) tert-Butylbenzene	11.430	119	9124	0.596 ug/l	95
78) 1,2,4-Trimethylbenzene	11.475	105	8663	0.527 ug/l	100
79) sec-Butylbenzene	11.651	105	12098	0.563 ug/l	98
80) Nitrobenzene	13.221	77	312	2.231 ug/l #	43
81) p-Isopropyltoluene	11.799	119	9582	0.550 ug/l	98
82) 1,3-Dichlorobenzene	11.754	146	6977	0.710 ug/l	99
83) 1,4-Dichlorobenzene	11.844	146	6883	0.703 ug/l	97
84) n-Butylbenzene	12.217	91	10002	0.579 ug/l	94
85) 1,2-Dichlorobenzene	12.221	146	6599	0.705 ug/l	97
86) 1,2-Dibromo-3-Chloropr...	13.002	75	506	0.713 ug/l	89
87) 1,2,4-Trichlorobenzene	13.848	180	3481	0.631 ug/l	99
88) Hexachlorobutadiene	14.028	225	2777	0.775 ug/l	97
89) Naphthalene	14.095	128	4875	0.512 ug/l	97
90) 1,2,3-Trichlorobenzene	14.339	180	3034	0.571 ug/l	98

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

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