

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031821\
 Data File : VU042707.D
 Acq On : 18 Mar 2021 14:01
 Operator : SY/MD
 Sample : M1458-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/25/2021 1:09:01 PM

Quant Time: Mar 19 02:26:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031721DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 18 07:25:09 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.121	96	15578	1.00	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	6247	0.90	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.00%	
68) 1,2-Dichlorobenzene-d4	12.201	152	6535	0.89	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	5317	0.88	ug/l	93
3) Chloromethane	1.526	50	5087	0.89	ug/l	97
4) Vinyl Chloride	1.607	62	4570	0.83	ug/l	90
5) Bromomethane	1.858	94	3343	0.92	ug/l	94
6) Chloroethane	1.935	64	3937	1.04	ug/l	98
7) Trichlorofluoromethane	2.141	101	8601	0.91	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.587	101	3988	0.84	ug/l	94
9) 1,1-Dichloroethene	2.584	96	3650	0.89	ug/l	87
10) Iodomethane	2.729	142	5655	0.88	ug/l	100
11) Allyl Chloride	2.932	41	6489	0.83	ug/l	94
12) Acrylonitrile	3.333	53	1712	1.44	ug/l	# 78
13) Acetone	2.645	43	4150	4.49	ug/l	93
14) Carbon Disulfide	2.797	76	10881	0.85	ug/l	99
15) Methylene Chloride	3.054	84	5306	1.07	ug/l	96
16) trans-1,2-Dichloroethene	3.359	96	3821	0.86	ug/l	92
17) 1,1-Dichloroethane	3.883	63	7659	0.84	ug/l	# 94
18) 2-Butanone	4.742	43	6994	4.12	ug/l	99
19) Cyclohexane	5.391	56	6981m	0.90	ug/l	
20) Methylcyclohexane	6.771	83	4896	0.73	ug/l	96
21) 2,2-Dichloropropane	4.677	77	7238	0.87	ug/l	96
22) cis-1,2-Dichloroethene	4.681	96	4367	0.88	ug/l	98
23) Diethyl Ether	2.385	59	3201	0.92	ug/l	95
24) tert-Butyl Alcohol	3.221	59	2503m	10.18	ug/l	
25) Methyl tert-Butyl Ether	3.382	73	10513	0.87	ug/l	98
26) Bromochloromethane	4.986	128	2194	0.92	ug/l	97
27) Chloroform	5.099	83	8384	0.88	ug/l	96
28) 1,1,1-Trichloroethane	5.321	97	7540	0.88	ug/l	96
29) 1,1-Dichloropropene	5.529	75	5057	0.84	ug/l	95
30) Carbon Tetrachloride	5.529	117	5631	0.84	ug/l	97
31) Isopropyl Ether	4.015	45	13872	0.85	ug/l	96
32) Ethyl-t-butyl ether	4.523	59	12433	0.86	ug/l	98
33) Tert-Amyl methyl ether	5.964	73	8628	0.82	ug/l	96
34) Propionitrile	4.806	54	1445	3.87	ug/l	# 92
35) Benzene	5.780	78	14427	0.85	ug/l	99
36) 1,2-Dichloroethane	5.809	62	5504	0.84	ug/l	# 94
37) Trichloroethene	6.549	130	4048	0.89	ug/l	94
38) 1,2-Dichloropropane	6.803	63	3912	0.80	ug/l	98
39) Methacrylonitrile	5.005	41	2116m	0.90	ug/l	
40) Methyl acrylate	4.874	55	2923	0.95	ug/l	# 76
41) Tetrahydrofuran	5.086	42	1868	1.60	ug/l	92
42) 1-Chlorobutane	5.465	56	7281	0.82	ug/l	100
43) Dibromomethane	6.928	93	2208	0.83	ug/l	92
44) Bromodichloromethane	7.118	83	4852	0.78	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031821\
 Data File : VU042707.D
 Acq On : 18 Mar 2021 14:01
 Operator : SY/MD
 Sample : M1458-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/25/2021 1:09:01 PM

Quant Time: Mar 19 02:26:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031721DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 18 07:25:09 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.816	43	15539	3.88	ug/l	95
46) t-1,4-Dichloro-2-butene	10.841	75	1838m	2.32	ug/l	
47) Methyl methacrylate	6.983	69	3381	1.45	ug/l	91
48) Ethyl methacrylate	8.349	69	3418	0.74	ug/l	97
49) Toluene	7.980	92	7720	0.74	ug/l	95
50) t-1,3-Dichloropropene	8.224	75	4281	0.76	ug/l	96
51) cis-1,3-Dichloropropene	7.619	75	4725	0.76	ug/l	91
52) 1,1,2-Trichloroethane	8.414	97	3035	0.82	ug/l #	84
53) 1,3-Dichloropropane	8.587	76	5247	0.83	ug/l	98
54) 2-Hexanone	8.703	43	10372	3.63	ug/l	93
55) Dibromochloromethane	8.819	129	3177	0.73	ug/l	94
56) 1,2-Dibromoethane	8.935	107	2827	0.77	ug/l	94
58) Tetrachloroethene	8.558	164	3963	0.80	ug/l	93
59) Chlorobenzene	9.455	112	9667	0.82	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.542	131	3794	0.82	ug/l	97
61) Pentachloroethane	11.436	117	3082	0.86	ug/l	82
62) Hexachloroethane	12.484	117	2593	0.70	ug/l	96
63) Ethyl Benzene	9.578	91	14959	0.74	ug/l	97
64) m/p-Xylenes	9.703	106	10574	1.36	ug/l	96
65) o-Xylene	10.108	106	5643	0.75	ug/l	94
66) Styrene	10.124	104	8793	0.68	ug/l	97
67) Bromoform	10.301	173	2014	0.71	ug/l #	93
69) Isopropylbenzene	10.494	105	14763	0.72	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.790	83	3483	0.72	ug/l	99
71) 1,2,3-Trichloropropane	10.835	75	3453m	0.90	ug/l	
72) Bromobenzene	10.793	156	4195	0.73	ug/l	95
73) n-propylbenzene	10.915	120	3739	0.65	ug/l	89
74) 2-Chlorotoluene	10.996	126	3745	0.72	ug/l	89
75) 1,3,5-Trimethylbenzene	11.098	105	12264	0.67	ug/l	94
76) 4-Chlorotoluene	11.108	126	3727	0.68	ug/l	88
77) tert-Butylbenzene	11.430	119	12994	0.72	ug/l	97
78) 1,2,4-Trimethylbenzene	11.478	105	12661	0.67	ug/l	96
79) sec-Butylbenzene	11.651	105	16400	0.67	ug/l	99
80) Nitrobenzene	13.221	77	129	5.35	ug/l #	42
81) p-Isopropyltoluene	11.803	119	13210	0.64	ug/l	99
82) 1,3-Dichlorobenzene	11.754	146	8966	0.78	ug/l	96
83) 1,4-Dichlorobenzene	11.844	146	8596	0.75	ug/l	97
84) n-Butylbenzene	12.217	91	11992	0.61	ug/l	99
85) 1,2-Dichlorobenzene	12.224	146	7909	0.70	ug/l	94
86) 1,2-Dibromo-3-Chloropr...	13.008	75	560	0.62	ug/l #	82
87) 1,2,4-Trichlorobenzene	13.854	180	5111	0.68	ug/l	94
88) Hexachlorobutadiene	14.031	225	3594	0.71	ug/l	97
89) Naphthalene	14.098	128	6991	1.25	ug/l	97
90) 1,2,3-Trichlorobenzene	14.339	180	4677	0.65	ug/l	97

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

