

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072221\
 Data File : VU044391.D
 Acq On : 22 Jul 2021 16:17
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 7/28/2021 11:09:18 AM

Quant Time: Jul 23 03:32:12 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	45824	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	18459	0.998	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	18833	1.044	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	160316	10.024	ug/l	100
3) Chloromethane	1.523	50	173540	9.977	ug/l	99
4) Vinyl Chloride	1.607	62	187019	10.651	ug/l	97
5) Bromomethane	1.861	94	100411	10.723	ug/l	99
6) Chloroethane	1.938	64	112544	10.533	ug/l	99
7) Trichlorofluoromethane	2.144	101	219211	11.548	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	136183	11.353	ug/l	97
9) 1,1-Dichloroethene	2.588	96	130408	11.144	ug/l	96
10) Iodomethane	2.729	142	174714	11.409	ug/l	90
11) Allyl Chloride	2.932	41	214533	11.133	ug/l	83
12) Acrylonitrile	3.327	53	56801	21.180	ug/l	95
13) Acetone	2.636	43	81720	61.099	ug/l	89
14) Carbon Disulfide	2.800	76	412204	10.641	ug/l	99
15) Methylene Chloride	3.054	84	157943	9.510	ug/l	93
16) trans-1,2-Dichloroethene	3.359	96	142960	10.952	ug/l	99
17) 1,1-Dichloroethane	3.877	63	273768	11.262	ug/l	100
18) 2-Butanone	4.732	43	177400	61.848	ug/l	94
19) Cyclohexane	5.388	56	236071	10.623	ug/l	99
20) Methylcyclohexane	6.767	83	245157	10.578	ug/l	99
21) 2,2-Dichloropropane	4.674	77	225054	11.291	ug/l	96
22) cis-1,2-Dichloroethene	4.678	96	158588	11.117	ug/l	96
23) Diethyl Ether	2.385	59	113082	11.517	ug/l	99
24) tert-Butyl Alcohol	3.205	59	65290m	112.054	ug/l	
25) Methyl tert-Butyl Ether	3.379	73	367761	11.258	ug/l	93
26) Bromochloromethane	4.983	128	65919	10.918	ug/l	96
27) Chloroform	5.099	83	266114	11.311	ug/l	98
28) 1,1,1-Trichloroethane	5.321	97	220275	11.227	ug/l	99
29) 1,1-Dichloropropene	5.530	75	200838	10.773	ug/l	99
30) Carbon Tetrachloride	5.530	117	173284	10.592	ug/l	97
31) Isopropyl Ether	4.012	45	456580	11.290	ug/l	96
32) Ethyl-t-butyl ether	4.523	59	435313	10.916	ug/l	98
33) Tert-Amyl methyl ether	5.960	73	382912	10.798	ug/l	98
34) Propionitrile	4.800	54	49654	61.158	ug/l	# 94
35) Benzene	5.780	78	577309	10.655	ug/l	99
36) 1,2-Dichloroethane	5.806	62	175645	11.297	ug/l	97
37) Trichloroethene	6.549	130	143063	10.506	ug/l	96
38) 1,2-Dichloropropane	6.803	63	152489	10.633	ug/l	100
39) Methacrylonitrile	4.993	41	51895	11.212	ug/l	95
40) Methyl acrylate	4.864	55	79344	11.017	ug/l	99
41) Tetrahydrofuran	5.079	42	44884	20.444	ug/l	99
42) 1-Chlorobutane	5.465	56	279990	10.627	ug/l	94
43) Dibromomethane	6.928	93	78034	10.971	ug/l	96
44) Bromodichloromethane	7.115	83	182272	10.802	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.809	43	526049	54.441	ug/l	95
46) t-1,4-Dichloro-2-butene	10.841	75	92871m	22.682	ug/l	
47) Methyl methacrylate	6.976	69	167298	21.277	ug/l	92
48) Ethyl methacrylate	8.346	69	172895	10.648	ug/l	93
49) Toluene	7.976	92	364844	10.705	ug/l	100
50) t-1,3-Dichloropropene	8.221	75	184294	10.517	ug/l	98
51) cis-1,3-Dichloropropene	7.616	75	215814	10.439	ug/l	95
52) 1,1,2-Trichloroethane	8.410	97	114271	10.904	ug/l	99
53) 1,3-Dichloropropane	8.584	76	209737	10.896	ug/l	100
54) 2-Hexanone	8.700	43	385693	56.113	ug/l	93
55) Dibromochloromethane	8.819	129	124113	10.938	ug/l	100
56) 1,2-Dibromoethane	8.931	107	111181	10.854	ug/l	99
58) Tetrachloroethene	8.558	164	125564	10.863	ug/l	98
59) Chlorobenzene	9.455	112	380710	10.565	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.542	131	128077	10.666	ug/l	98
61) Pentachloroethane	11.436	117	97941	10.207	ug/l	95
62) Hexachloroethane	12.484	117	107000	10.683	ug/l	98
63) Ethyl Benzene	9.578	91	689052	10.699	ug/l	100
64) m/p-Xylenes	9.700	106	530386	21.551	ug/l	99
65) o-Xylene	10.105	106	257928	10.860	ug/l	99
66) Styrene	10.121	104	442349	10.809	ug/l	99
67) Bromoform	10.298	173	68192	10.738	ug/l	99
69) Isopropylbenzene	10.491	105	679716	10.699	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.790	83	153512	11.099	ug/l	99
71) 1,2,3-Trichloropropane	10.835	75	109932m	9.272	ug/l	
72) Bromobenzene	10.790	156	154933	10.533	ug/l	93
73) n-propylbenzene	10.912	120	185369	10.825	ug/l	92
74) 2-Chlorotoluene	10.992	126	152946	10.412	ug/l	91
75) 1,3,5-Trimethylbenzene	11.095	105	585655	10.907	ug/l	100
76) 4-Chlorotoluene	11.105	126	161948	10.612	ug/l	95
77) tert-Butylbenzene	11.426	119	560071	10.641	ug/l	99
78) 1,2,4-Trimethylbenzene	11.475	105	597385	10.960	ug/l	99
79) sec-Butylbenzene	11.652	105	780733	10.892	ug/l	98
80) Nitrobenzene	13.217	77	20188	48.932	ug/l #	96
81) p-Isopropyltoluene	11.799	119	651545	10.978	ug/l	98
82) 1,3-Dichlorobenzene	11.751	146	311702	10.668	ug/l	100
83) 1,4-Dichlorobenzene	11.841	146	313489	10.624	ug/l	100
84) n-Butylbenzene	12.214	91	659944	11.357	ug/l	99
85) 1,2-Dichlorobenzene	12.217	146	301648	10.658	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	13.002	75	27408	11.464	ug/l	96
87) 1,2,4-Trichlorobenzene	13.848	180	217554	10.865	ug/l	99
88) Hexachlorobutadiene	14.028	225	104354	10.769	ug/l	99
89) Naphthalene	14.092	128	452095	11.289	ug/l	100
90) 1,2,3-Trichlorobenzene	14.336	180	200267	11.016	ug/l	98

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

