

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070721\
 Data File : VU044317.D
 Acq On : 07 Jul 2021 15:16
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU070721

Manual Integrations
 APPROVED

SAM
 7/9/2021 6:28:58 PM

Quant Time: Jul 08 15:35:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070721DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 08 15:34:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.121	96	27707	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	12568	1.024	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
68) 1,2-Dichlorobenzene-d4	12.201	152	12100	0.989	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	51212	5.337	ug/l	99
3) Chloromethane	1.527	50	74751	8.088	ug/l	98
4) Vinyl Chloride	1.610	62	81994	8.441	ug/l	100
5) Bromomethane	1.861	94	53835	9.304	ug/l	99
6) Chloroethane	1.941	64	58534	9.027	ug/l	98
7) Trichlorofluoromethane	2.147	101	130331	8.855	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	74042	8.732	ug/l	99
9) 1,1-Dichloroethene	2.588	96	69989	9.447	ug/l	97
10) Iodomethane	2.732	142	75413	9.661	ug/l	97
11) Allyl Chloride	2.932	41	129288	9.819	ug/l	96
12) Acrylonitrile	3.327	53	79611	47.987	ug/l	97
13) Acetone	2.636	43	67146	61.009	ug/l	99
14) Carbon Disulfide	2.803	76	195612	9.758	ug/l	100
15) Methylene Chloride	3.054	84	87053	9.148	ug/l	99
16) trans-1,2-Dichloroethene	3.363	96	80710	9.842	ug/l	99
17) 1,1-Dichloroethane	3.880	63	164438	9.934	ug/l	99
18) 2-Butanone	4.732	43	138810	64.266	ug/l	99
19) Cyclohexane	5.388	56	111993	8.450	ug/l	99
20) Methylcyclohexane	6.768	83	116936	8.590	ug/l	99
21) 2,2-Dichloropropane	4.674	77	153858	9.549	ug/l	99
22) cis-1,2-Dichloroethene	4.678	96	97686	10.107	ug/l	99
23) Diethyl Ether	2.385	59	58777	9.511	ug/l	98
24) tert-Butyl Alcohol	3.199	59	30272	63.698	ug/l	100
25) Methyl tert-Butyl Ether	3.379	73	210167	9.236	ug/l	100
26) Bromochloromethane	4.986	128	40024	9.466	ug/l	99
27) Chloroform	5.099	83	167738	9.582	ug/l	98
28) 1,1,1-Trichloroethane	5.324	97	149420	9.667	ug/l	100
29) 1,1-Dichloropropene	5.530	75	110141	9.761	ug/l	100
30) Carbon Tetrachloride	5.530	117	117773	9.897	ug/l	97
31) Isopropyl Ether	4.012	45	259781	9.166	ug/l	# 1
34) Propionitrile	4.797	54	58218	106.337	ug/l	97
35) Benzene	5.780	78	309678	9.923	ug/l	99
36) 1,2-Dichloroethane	5.806	62	102421	10.051	ug/l	99
37) Trichloroethene	6.549	130	87053	10.003	ug/l	99
38) 1,2-Dichloropropane	6.803	63	84680	9.751	ug/l	99
39) Methacrylonitrile	4.993	41	36097	10.601	ug/l	99
40) Methyl acrylate	4.864	55	51824m	10.934	ug/l	
41) Tetrahydrofuran	5.076	42	71100m	50.131	ug/l	
42) 1-Chlorobutane	5.465	56	136501	8.748	ug/l	99
43) Dibromomethane	6.928	93	46604	10.179	ug/l	99
44) Bromodichloromethane	7.118	83	118350	10.188	ug/l	100
45) 4-Methyl-2-Pentanone	7.809	43	310439	47.394	ug/l	100
46) t-1,4-Dichloro-2-butene	10.841	75	31296m	12.202	ug/l	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070721\
 Data File : VU044317.D
 Acq On : 07 Jul 2021 15:16
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU070721

Manual Integrations
 APPROVED

SAM
 7/9/2021 6:28:58 PM

Quant Time: Jul 08 15:35:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070721DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 08 15:34:52 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.977	69	47320	10.094	ug/l	98
48) Ethyl methacrylate	8.346	69	93256	9.299	ug/l	99
49) Toluene	7.977	92	207544	10.122	ug/l	99
50) t-1,3-Dichloropropene	8.221	75	122393	10.353	ug/l	100
51) cis-1,3-Dichloropropene	7.616	75	139554	10.395	ug/l	97
52) 1,1,2-Trichloroethane	8.411	97	64668	10.180	ug/l	99
53) 1,3-Dichloropropane	8.584	76	115455	9.891	ug/l	99
54) 2-Hexanone	8.700	43	224192	47.041	ug/l	99
55) Dibromochloromethane	8.819	129	83929	10.262	ug/l	100
56) 1,2-Dibromoethane	8.931	107	64041	10.085	ug/l	98
58) Tetrachloroethene	8.559	164	80595	10.031	ug/l	98
59) Chlorobenzene	9.452	112	228974	9.873	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.542	131	87073	10.031	ug/l	98
61) Pentachloroethane	11.436	117	68412	10.418	ug/l	99
62) Hexachloroethane	12.481	117	70039	9.405	ug/l	99
63) Ethyl Benzene	9.578	91	416136	10.140	ug/l	99
64) m/p-Xylenes	9.700	106	325833	20.446	ug/l	100
65) o-Xylene	10.108	106	158266	10.162	ug/l	98
66) Styrene	10.121	104	270490	10.116	ug/l	99
67) Bromoform	10.298	173	49993	10.585	ug/l	100
69) Isopropylbenzene	10.491	105	432222	10.146	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.790	83	84324	9.886	ug/l	98
71) 1,2,3-Trichloropropane	10.832	75	64329m	9.558	ug/l	
72) Bromobenzene	10.790	156	101014	10.166	ug/l	99
73) n-propylbenzene	10.912	120	119095	10.197	ug/l	98
74) 2-Chlorotoluene	10.992	126	99431	9.874	ug/l	98
75) 1,3,5-Trimethylbenzene	11.095	105	382763	10.495	ug/l	99
76) 4-Chlorotoluene	11.105	126	106583	10.064	ug/l	98
77) tert-Butylbenzene	11.427	119	370323	10.101	ug/l	100
78) 1,2,4-Trimethylbenzene	11.475	105	383286	10.388	ug/l	100
79) sec-Butylbenzene	11.652	105	482233	9.930	ug/l	99
80) Nitrobenzene	13.214	77	3618	10.346	ug/l	92
81) p-Isopropyltoluene	11.800	119	428589	10.423	ug/l	99
82) 1,3-Dichlorobenzene	11.751	146	206490	10.197	ug/l	100
83) 1,4-Dichlorobenzene	11.845	146	208271	10.348	ug/l	100
84) n-Butylbenzene	12.214	91	417936	10.617	ug/l	100
85) 1,2-Dichlorobenzene	12.218	146	195124	10.161	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	13.002	75	16608	10.224	ug/l	100
87) 1,2,4-Trichlorobenzene	13.848	180	145469	10.566	ug/l	98
88) Hexachlorobutadiene	14.028	225	75359	10.666	ug/l	100
89) Naphthalene	14.092	128	270448	10.253	ug/l	100
90) 1,2,3-Trichlorobenzene	14.336	180	129268	10.626	ug/l	100

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

