

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021422\
 Data File : VU047129.D
 Acq On : 14 Feb 2022 12:09
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2022
 Supervised By : Mahesh Dadoda 02/15/2022

Quant Time: Feb 14 12:41:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Feb 14 12:38:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	54742	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	21650	1.155	ug/l	0.00
Spiked Amount 1.000			Recovery	=	115.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	22657	1.056	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	194997	11.349	ug/l	100
3) Chloromethane	1.530	50	200150	10.194	ug/l	100
4) Vinyl Chloride	1.610	62	196978	10.475	ug/l	100
5) Bromomethane	1.864	94	119369	10.817	ug/l	100
6) Chloroethane	1.941	64	111851	9.749	ug/l	100
7) Trichlorofluoromethane	2.147	101	232420	9.835	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	133938	9.532	ug/l	95
9) 1,1-Dichloroethene	2.588	96	133536	10.753	ug/l	100
10) Iodomethane	2.732	142	150165	7.900	ug/l	99
11) Allyl Chloride	2.932	41	214174	9.937	ug/l	93
12) Acrylonitrile	3.321	53	68434	16.280	ug/l	# 88
13) Acetone	2.636	43	102733	29.895	ug/l	98
14) Carbon Disulfide	2.803	76	465463	11.796	ug/l	99
15) Methylene Chloride	3.054	84	149680	9.522	ug/l	98
16) trans-1,2-Dichloroethene	3.359	96	145067	10.384	ug/l	99
17) 1,1-Dichloroethane	3.877	63	265773	9.794	ug/l	99
18) 2-Butanone	4.713	43	192842	38.075	ug/l	97
19) Cyclohexane	5.395	56	247209m	11.071	ug/l	
20) Methylcyclohexane	6.768	83	274129	12.791	ug/l	97
21) 2,2-Dichloropropane	4.671	77	240427	11.585	ug/l	97
22) cis-1,2-Dichloroethene	4.674	96	164646	10.476	ug/l	96
23) Diethyl Ether	2.382	59	110556	9.988	ug/l	99
24) tert-Butyl Alcohol	3.205	59	71238	71.783	ug/l	# 90
25) Methyl tert-Butyl Ether	3.372	73	378343	10.363	ug/l	99
26) Bromochloromethane	4.983	128	75528	10.030	ug/l	92
27) Chloroform	5.096	83	261168	8.973	ug/l	97
28) 1,1,1-Trichloroethane	5.324	97	233602	10.302	ug/l	97
29) 1,1-Dichloropropene	5.530	75	214658	10.994	ug/l	98
30) Carbon Tetrachloride	5.530	117	207901	10.669	ug/l	100
31) Isopropyl Ether	4.002	45	428695	10.385	ug/l	97
32) Ethyl-t-butyl ether	4.507	59	437311	11.789	ug/l	98
33) Tert-Amyl methyl ether	5.944	73	398139	12.037	ug/l	99
34) Propionitrile	4.787	54	51043	33.887	ug/l	# 91
35) Benzene	5.777	78	604949	10.289	ug/l	99
36) 1,2-Dichloroethane	5.800	62	183249	10.229	ug/l	100
37) Trichloroethene	6.546	130	166194	11.214	ug/l	93
38) 1,2-Dichloropropane	6.796	63	159333	10.230	ug/l	99
39) Methacrylonitrile	4.980	41	52379	9.388	ug/l	98
40) Methyl acrylate	4.851	55	87931	10.331	ug/l	96
41) Tetrahydrofuran	5.063	42	47658	15.147	ug/l	95
42) 1-Chlorobutane	5.462	56	289386	10.359	ug/l	97
43) Dibromomethane	6.922	93	86567	10.152	ug/l	93
44) Bromodichloromethane	7.108	83	206273	10.205	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021422\
 Data File : VU047129.D
 Acq On : 14 Feb 2022 12:09
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2022
 Supervised By : Mahesh Dadoda 02/15/2022

Quant Time: Feb 14 12:41:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Feb 14 12:38:48 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	593115	56.497	ug/l	99
46) t-1,4-Dichloro-2-butene	10.841	75	84070m	20.119	ug/l	
47) Methyl methacrylate	6.964	69	175753	23.313	ug/l	95
48) Ethyl methacrylate	8.337	69	190150	13.915	ug/l	95
49) Toluene	7.973	92	395145	11.337	ug/l	99
50) t-1,3-Dichloropropene	8.214	75	226188	12.776	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	252862	12.459	ug/l	97
52) 1,1,2-Trichloroethane	8.404	97	122346	10.057	ug/l	98
53) 1,3-Dichloropropane	8.578	76	222393	10.646	ug/l	100
54) 2-Hexanone	8.687	43	431503	56.996	ug/l	100
55) Dibromochloromethane	8.812	129	154875	11.208	ug/l	98
56) 1,2-Dibromoethane	8.925	107	126949	11.202	ug/l	99
58) Tetrachloroethene	8.555	164	155083	11.296	ug/l	98
59) Chlorobenzene	9.449	112	436012	11.662	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	153496	10.993	ug/l	99
61) Pentachloroethane	11.430	117	119967	10.396	ug/l	86
62) Hexachloroethane	12.478	117	129500	11.592	ug/l #	81
63) Ethyl Benzene	9.571	91	772278	12.483	ug/l	100
64) m/p-Xylenes	9.697	106	595001	24.566	ug/l	97
65) o-Xylene	10.102	106	288504	12.419	ug/l	96
66) Styrene	10.118	104	492748	12.564	ug/l	97
67) Bromoform	10.291	173	98845	11.702	ug/l #	98
69) Isopropylbenzene	10.488	105	769566	12.724	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.783	83	167170	10.349	ug/l	98
71) 1,2,3-Trichloropropane	10.838	75	149053m	11.738	ug/l	
72) Bromobenzene	10.783	156	188158	11.367	ug/l	88
73) n-propylbenzene	10.909	120	214880	12.775	ug/l	89
74) 2-Chlorotoluene	10.989	126	182136	11.890	ug/l	88
75) 1,3,5-Trimethylbenzene	11.089	105	639106	12.152	ug/l	99
76) 4-Chlorotoluene	11.099	126	191341	12.017	ug/l	84
77) tert-Butylbenzene	11.423	119	640635	12.366	ug/l	95
78) 1,2,4-Trimethylbenzene	11.468	105	643444	12.014	ug/l	97
79) sec-Butylbenzene	11.645	105	856116	12.296	ug/l	98
80) Nitrobenzene	13.208	77	42015	60.948	ug/l	97
81) p-Isopropyltoluene	11.796	119	719766	12.492	ug/l	97
82) 1,3-Dichlorobenzene	11.748	146	366646	11.097	ug/l	98
83) 1,4-Dichlorobenzene	11.838	146	364737	11.232	ug/l	98
84) n-Butylbenzene	12.211	91	698355	12.666	ug/l	97
85) 1,2-Dichlorobenzene	12.214	146	350018	10.997	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.999	75	30429	11.600	ug/l	82
87) 1,2,4-Trichlorobenzene	13.841	180	277230	13.361	ug/l	98
88) Hexachlorobutadiene	14.021	225	141437	10.900	ug/l	98
89) Naphthalene	14.086	128	561846	15.078	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	253948	12.422	ug/l	97

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

