

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021522\
 Data File : VU047151.D
 Acq On : 15 Feb 2022 16:56
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/18/2022
 Supervised By : Mahesh Dadoda 02/18/2022

Quant Time: Feb 17 08:05:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 15 03:17:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	51500	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	20278	1.017	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	21524	1.036	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	181469	10.568	ug/l	99
3) Chloromethane	1.533	50	186422	10.571	ug/l	99
4) Vinyl Chloride	1.610	62	182285	10.470	ug/l	99
5) Bromomethane	1.864	94	129291	11.368	ug/l	98
6) Chloroethane	1.941	64	108325	10.830	ug/l	99
7) Trichlorofluoromethane	2.147	101	227003	11.062	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	130649	11.046	ug/l	94
9) 1,1-Dichloroethene	2.588	96	128550	10.560	ug/l	97
10) Iodomethane	2.729	142	120285	8.453	ug/l	99
11) Allyl Chloride	2.932	41	197578	10.413	ug/l	94
12) Acrylonitrile	3.324	53	67290	18.833	ug/l	94
13) Acetone	2.636	43	111918	53.089	ug/l	98
14) Carbon Disulfide	2.803	76	436969	10.613	ug/l	99
15) Methylene Chloride	3.054	84	145485	10.642	ug/l	99
16) trans-1,2-Dichloroethene	3.359	96	138974	10.817	ug/l	99
17) 1,1-Dichloroethane	3.877	63	245519	10.431	ug/l	99
18) 2-Butanone	4.716	43	188787	52.449	ug/l	98
19) Cyclohexane	5.391	56	228710m	10.487	ug/l	
20) Methylcyclohexane	6.768	83	255896	10.646	ug/l	97
21) 2,2-Dichloropropane	4.671	77	225473	10.718	ug/l	97
22) cis-1,2-Dichloroethene	4.674	96	155432	10.520	ug/l	95
23) Diethyl Ether	2.382	59	105047	10.678	ug/l	99
24) tert-Butyl Alcohol	3.211	59	76169	119.044	ug/l #	92
25) Methyl tert-Butyl Ether	3.372	73	357211	10.464	ug/l	98
26) Bromochloromethane	4.980	128	71979	10.833	ug/l	90
27) Chloroform	5.096	83	249754	10.456	ug/l	100
28) 1,1,1-Trichloroethane	5.321	97	219977	10.638	ug/l	97
29) 1,1-Dichloropropene	5.530	75	202207	10.682	ug/l	98
30) Carbon Tetrachloride	5.530	117	197214	10.848	ug/l	99
31) Isopropyl Ether	4.002	45	395348	10.501	ug/l	97
32) Ethyl-t-butyl ether	4.510	59	405445	10.594	ug/l	98
33) Tert-Amyl methyl ether	5.948	73	367111	10.415	ug/l	98
34) Propionitrile	4.787	54	53098	50.823	ug/l #	96
35) Benzene	5.777	78	568093	10.710	ug/l	100
36) 1,2-Dichloroethane	5.800	62	171355	10.669	ug/l	100
37) Trichloroethene	6.546	130	159453	10.857	ug/l	92
38) 1,2-Dichloropropane	6.796	63	149725	10.666	ug/l	99
39) Methacrylonitrile	4.980	41	48497	10.024	ug/l	99
40) Methyl acrylate	4.851	55	79821	9.760	ug/l #	94
41) Tetrahydrofuran	5.063	42	47332	19.205	ug/l	98
42) 1-Chlorobutane	5.462	56	269471	10.603	ug/l	100
43) Dibromomethane	6.922	93	82759	10.932	ug/l	92
44) Bromodichloromethane	7.108	83	192773	10.767	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	520298	50.816	ug/l	99
46) t-1,4-Dichloro-2-butene	10.841	75	92295m	20.707	ug/l	
47) Methyl methacrylate	6.964	69	166670	20.993	ug/l	95
48) Ethyl methacrylate	8.337	69	170084	10.568	ug/l	95
49) Toluene	7.973	92	373335	10.911	ug/l	98
50) t-1,3-Dichloropropene	8.214	75	209269	10.798	ug/l	100
51) cis-1,3-Dichloropropene	7.610	75	234743	10.805	ug/l	97
52) 1,1,2-Trichloroethane	8.404	97	115276	10.673	ug/l	99
53) 1,3-Dichloropropane	8.578	76	203108	10.525	ug/l	99
54) 2-Hexanone	8.687	43	381127	49.965	ug/l	100
55) Dibromochloromethane	8.812	129	142910	10.883	ug/l	100
56) 1,2-Dibromoethane	8.928	107	115442	10.576	ug/l	98
58) Tetrachloroethene	8.555	164	149533	11.034	ug/l	97
59) Chlorobenzene	9.449	112	416583	10.919	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.536	131	148602	11.333	ug/l	99
61) Pentachloroethane	11.430	117	112841	11.336	ug/l	84
62) Hexachloroethane	12.478	117	121746	11.328	ug/l #	81
63) Ethyl Benzene	9.574	91	734359	10.950	ug/l	98
64) m/p-Xylenes	9.697	106	569271	22.269	ug/l	97
65) o-Xylene	10.102	106	275343	11.119	ug/l	96
66) Styrene	10.118	104	470756	11.200	ug/l	97
67) Bromoform	10.295	173	91139	10.952	ug/l #	98
69) Isopropylbenzene	10.488	105	738771	11.093	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.783	83	155195	10.628	ug/l	99
71) 1,2,3-Trichloropropane	10.841	75	144230m	11.703	ug/l	
72) Bromobenzene	10.783	156	179656	11.045	ug/l	87
73) n-propylbenzene	10.909	120	209968	11.452	ug/l	87
74) 2-Chlorotoluene	10.989	126	176392	11.285	ug/l	87
75) 1,3,5-Trimethylbenzene	11.089	105	612988	11.223	ug/l	98
76) 4-Chlorotoluene	11.099	126	187992	11.448	ug/l	82
77) tert-Butylbenzene	11.423	119	618738	11.290	ug/l	95
78) 1,2,4-Trimethylbenzene	11.468	105	625257	11.217	ug/l	97
79) sec-Butylbenzene	11.645	105	830270	11.409	ug/l	98
80) Nitrobenzene	13.208	77	32931	46.709	ug/l	98
81) p-Isopropyltoluene	11.796	119	700800	11.380	ug/l	97
82) 1,3-Dichlorobenzene	11.748	146	353717	11.171	ug/l	99
83) 1,4-Dichlorobenzene	11.838	146	356261	11.169	ug/l	98
84) n-Butylbenzene	12.211	91	681836	11.530	ug/l	97
85) 1,2-Dichlorobenzene	12.214	146	334425	10.972	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.999	75	27050	10.103	ug/l #	80
87) 1,2,4-Trichlorobenzene	13.841	180	268542	11.221	ug/l	98
88) Hexachlorobutadiene	14.024	225	142567	11.652	ug/l	99
89) Naphthalene	14.086	128	548893	11.197	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	258840	12.058	ug/l	98

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

